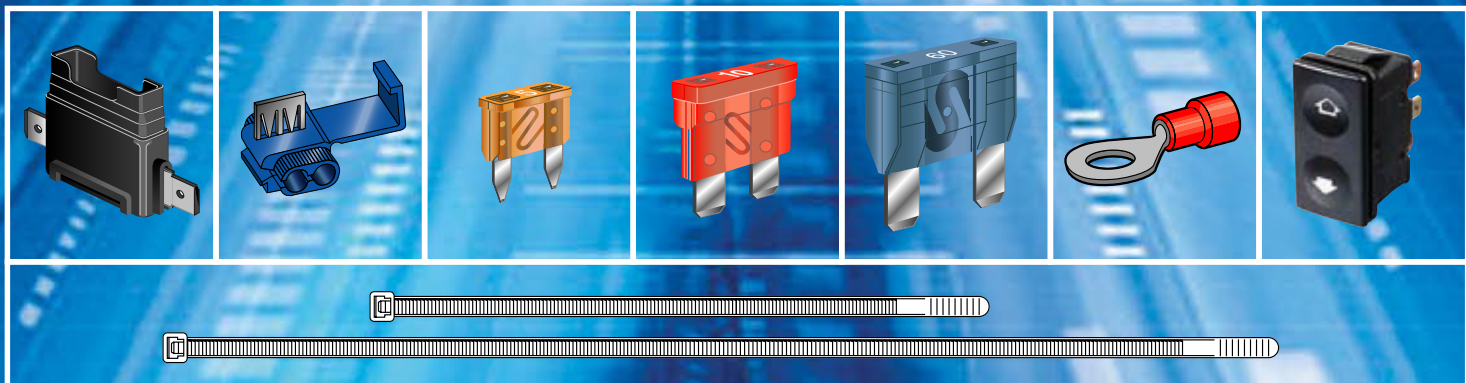


# ***BORGATO*** SRL



# ***BORGATO*** SRL

*Componenti elettrici*

CATALOGO GENERALE 2008

***BORGATO*** srl

**PRODUZIONE E COMMERCIO DI RICAMBI E COMPONENTI ELETTRICI**

Via Bolzani, 116/A - 35020 Maserà - Padova - Italy - Tel. 049 8860202 - 8861880 - 8861881 - Fax: 049 8860808

[www.borgatosrl.it](http://www.borgatosrl.it)    [info@borgatosrl.it](mailto:info@borgatosrl.it)



La **BORGATO srl** è un'azienda dinamica con esperienza trentennale che produce componenti elettrici per auto e autoveicoli in genere, elettrodomestici in genere, specializzata in interruttori, fusibili, portafusibili, relais, fascette per cablaggio, terminali preisolati, morsetti di derivazione e altri articoli.

Completa la gamma dei suoi articoli con la produzione su richiesta del cliente, di particolari in termoplastico, di minuterie metalliche e di componentistica varia con la realizzazione di attrezzature e stampi specifici. L'attività dell'azienda si svolge su mercati nazionali ed internazionali ed è totalmente mirata alla qualità del prodotto e del servizio ai clienti, disponendo di un considerevole magazzino di prodotto finito per soddisfare le esigenze anche urgenti della clientela. Si avvale di attrezzature all'avanguardia e personale specializzato con una spiccata produttività in grado di soddisfare ogni esigenza.



**BORGATO srl**, a young and dynamic company born in 1976, produces electric components for cars and household appliance in general,

particularly specialized in the production of switches, fuses, fuseholders, relays, as well as brass terminals, terminal covers, insulating terminals, shunts cable clamps and other articles.

Moreover, it completes the range of its articles with the manufacturing of thermoplastic details, metal minuterie and various components with the realization of equipments and specific moulds on customer's request.

The company is developing its trade on national and international markets with the aim of producing a high-quality product for the complete satisfaction of customers, who can immediately satisfy their urgent requests thanks to a very well stocked warehouse of finished products.

The use of up-to-date equipments as well as specialized operators makes this company able to satisfy any particular exigency.



**BORGATO srl** est une entreprise jeune et dynamique, née en 1976, qui produit composants électriques pour voitures et électroménager en général et particulièrement spécialisée dans la production de fusibles, portafusibles, interrupteurs, relais, terminaux, couvre terminaux, terminaux pré-isolés, bornes de dérivation et autres articles.

La série de ses articles est complétée par la production, sur demande de la clientèle, de détails en thermoplastique, de minuscule composants métalliques et moules spécifiques.

Toute l'activité de B.R.C. sur les marchés nationaux et internationaux est totalement visée à la qualité des produits et à donner à la clientèle un service complet, grâce à un considérable magasin de produits finis pouvant ainsi satisfaire les besoins les plus urgents de chaque client.

BORGATO srl utilise des équipements les plus modernes et des personnels très motivés, c'est pour ça qu'elle peut satisfaire chaque exigence.



**BORGATO Srl** ist eine junge und dynamische Firma 1976 geboren. Sie stellt elektrische Bestandteilen für Autos, und electrohau-shaltsgerät im allgemeinen her, und ist besonders in der herstel-lung von Shalter, Schmelze, Sicherungshalter, Relais, Batterieklemmen, Kabelshuhendecker, Isolierstoff, Klemmen und anderere Artikeln speziali-siert.

Die Firma stellt Außerdem den Bereich ihrer Artikeln fertig mit dem Produ-ktion, auf Wunsch des Kunden, von thermoplastischen Einzelheiten, metalli-schen Kleinheiten und verschiedenen Bestandteilen mit der Abfertigung von besonderen Einrichtungen und Formen.

Die Aktivität der Firma entwickelt sich auf Nationale und Internationale Märkte und strebt nach der Qualität ihrer Artikeln und dem Dienst ihrer Kunden, die ihren dringenden Ansprüchen nachkommen können, dank ihrem bemerkenswerten Lager von fertigen Artikeln.

Die Firma macht Gebrauch Einrichtungen an der Spitze und spezialisiertes Personals, mit einer eigenartigen Produktivität, die jedem besonderen Anspruch genügen kann.



La compañía **BORGATO** inició su labor en 1976, produce compo-nentes eléctricos para auto y electrodoméstico en general, especializada en interruptóres, fusibles, portafusibles, relés, abrazaderas para cabos en general, terminales preaislados, bornes de derivación y otros artículos.

La gama de sus artículos se completa con la producción de piezas especiales en termoplástico, de miniaturas metálicas y de componentes de diferentes modelos con sus respectivos utensilios y sus relativos moldes.

La actividad de la compañía se desarrolla en el mercado nacional e interna-cional y sus esfuerzos son sobre todo dirigidos a obtener la máxima calidad del producto y ofrecer el mejor servicio al cliente, disponiéndo de un impor-tante almacenaje de productos ya terminados para poder satisfacer las exigencias, incluso las más urgentes, de la clientela.

Para la realización de los productos utilizamos métodos de alta tecnología y personal especializado con un alto grado de productividad y con la capaci-dad de satisfacer cada tipo de exigencia.

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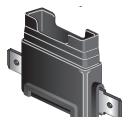
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Maserà di Padova, 9 gennaio 2006

## DICHIARAZIONE DI CONFORMITÀ

Noi

**BORGATO srl**

con sede in Italia, Maserà di Padova (PD) 35020 - Via Bolzani, 116/A

dichiariamo sotto la nostra esclusiva responsabilità che i prodotti  
elencati nel catalogo pubblicato nel 2006/2007  
ai quali questa dichiarazione si riferisce sono conformi a:

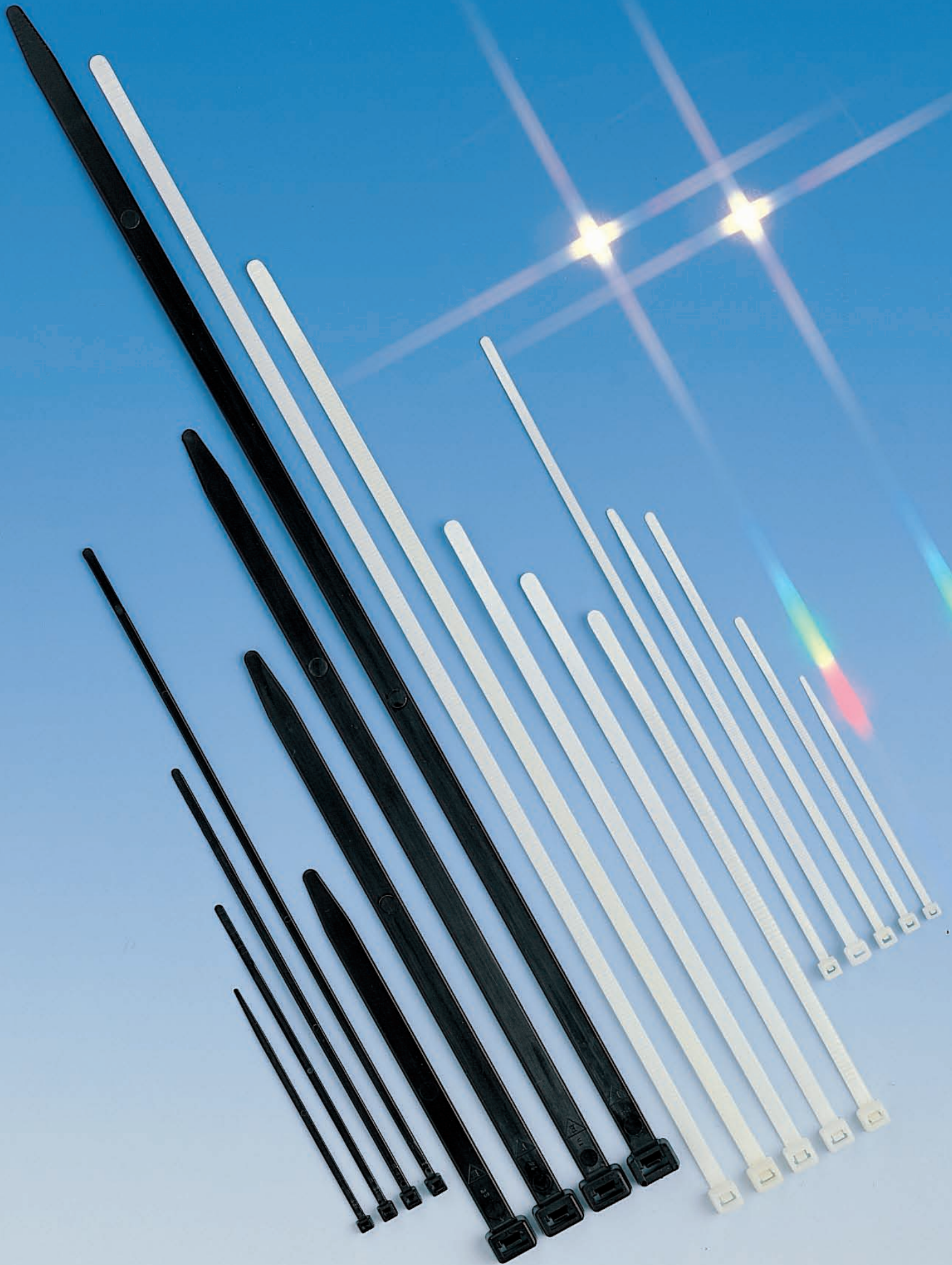
**Direttive 2002/95/CE e 2003/11/CE (RoHS)**  
**del Parlamento Europeo**  
**nei consigli del 27 gennaio 2003 e del 6 febbraio 2003**

in base a quanto previsto dalle  
**Direttive 2002/95/CE e 2003/11/CE**

**I prodotti non contengono infatti sostanze pericolose quali:  
piombo (Pb), cadmio (Cd), mercurio (Hg), cromo esavalente (Cr VI),  
bifenili polibromurati (PBB), eteri di difenili polibromurati (PBDE).**

**BORGATO srl**  
il Presidente  
Roberto Borgato








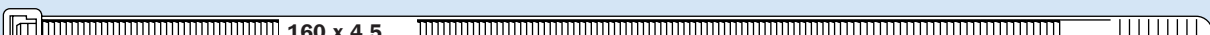



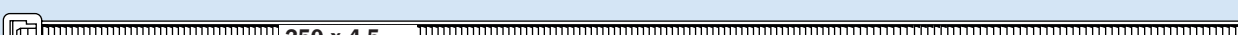




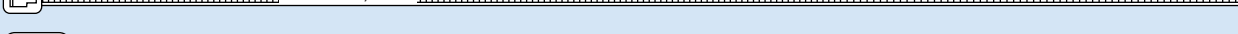



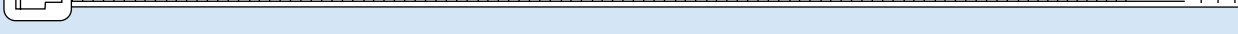




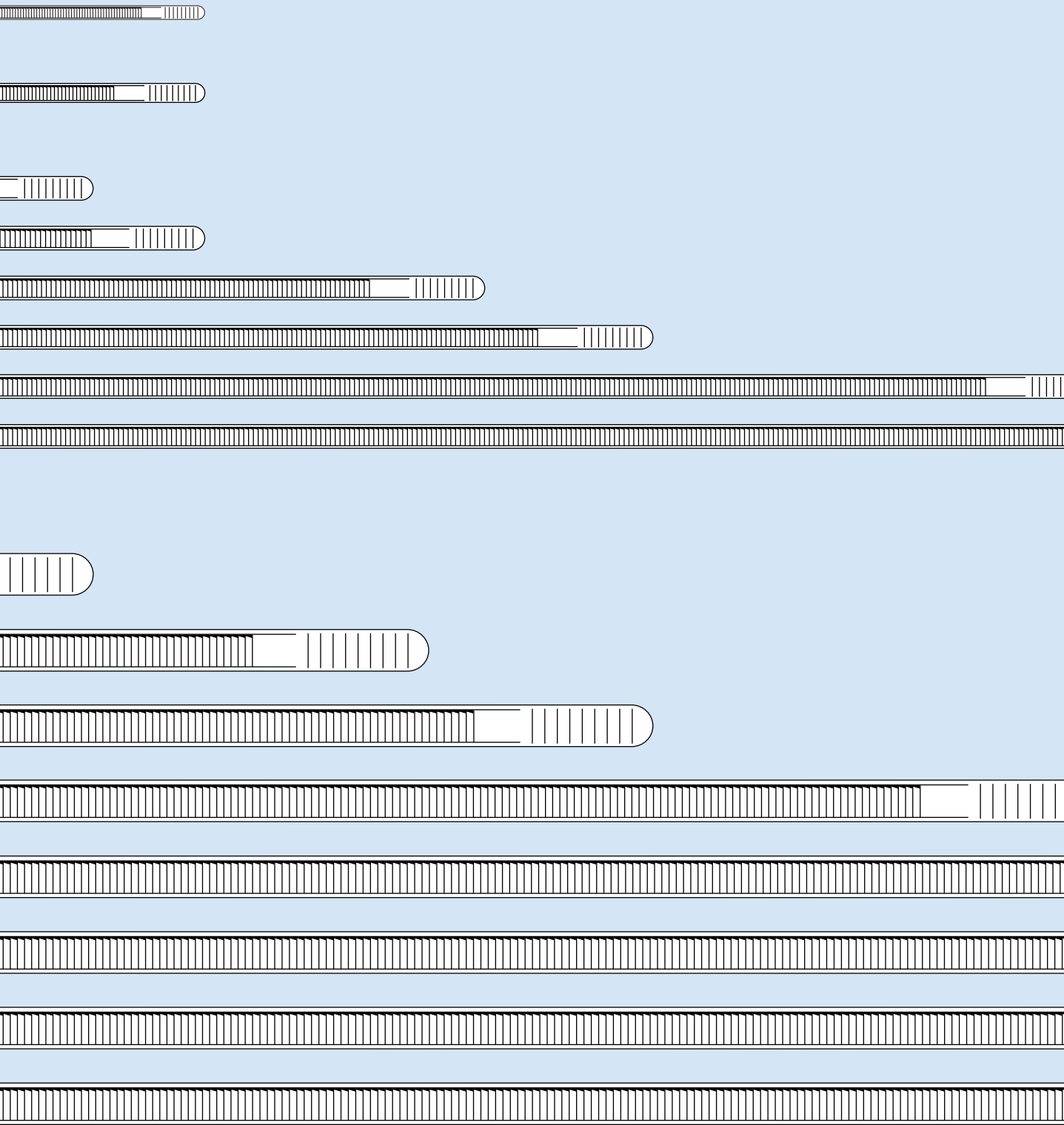




# Fascette di cablaggio












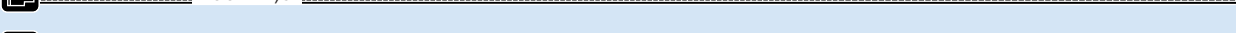







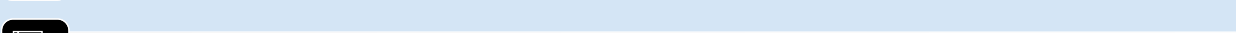

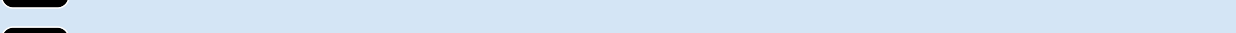

Wiring straps - Bandelettes de câblage - Kabelschellen

115.201		75 x 2,5
115.203		100 x 2,5
115.205		135 x 2,5
115.206		160 x 2,5
115.207		200 x 2,5
115.209		140 x 3,5
115.210		200 x 3,5
115.211		160 x 4,5
115.213		180 x 4,5
115.215		200 x 4,5
115.216		250 x 4,5
115.217		280 x 4,5
115.219		360 x 4,5
115.220		430 x 4,5
115.221		120 x 7,5
115.223		180 x 7,5
115.225		240 x 7,5
115.226		280 x 7,5
115.227		360 x 7,5
115.229		450 x 7,5
115.230		500 x 7,5
115.231		540 x 7,5
115.233		780 x 9



# Fascette di cablaggio

Wiring straps - Bandelettes de câblage - Kabelschellen

115.301	
115.303	
115.305	
115.306	
115.307	
115.309	
115.310	
115.311	
115.313	
115.315	
115.316	
115.317	
115.319	
115.320	
115.321	
115.323	
115.325	
115.326	
115.327	
115.329	
115.330	
115.331	
115.333	



# Fascette di cablaggio

Wiring straps - Bandelettes de câblage - Kabelschellen

## PER UNA STRETTA SICURA

La più completa gamma di fascette di cablaggio prodotta in Italia; approvate ed omologate presso molte industrie italiane ed estere, sia nel settore elettronico che elettrotecnico.

Sono disponibili in 17 tipi; realizzate in nylon 6.6 naturale, autoestinguento conforme alle norme MIL-M-20693 B. Resistenti alle muffe, olii, salsedine ecc.; disponibili nella versione caricata con carbon black per uso esterno, resistenti all'invecchiamento ed ultravioletti.

Basette di fissaggio a vite ed autoadesive più attrezzi regolabili completano questa linea di prodotti.

### CARATTERISTICHE:

Materiale: nylon 6.6 (conforme alle norme MIL-M-20693 B) naturale autoestinguento. Resistente alle muffe, agli olii, ecc.

Temperatura d'esercizio: -25°C +85°C.

Uso esterno: tutte le fascette sono disponibili nella versione per uso esterno, in nylon carbon black in colore nero.

### IMPORTANTE:

Per le caratteristiche fisiche del nylon si consiglia di immagazzinare il prodotto in luogo temperato e lontano da fonti di calore, evitando ambienti eccessivamente secchi.

## FOR A STEADY GRIP

The most complete set of wiring straps produced in Italy; approved and homologated by many Italian and foreign firms, both in the electrotechnical and electronic branch.

17 different types are available, all realized in natural and self-extinguishing nylon 6.6 according to MIL-M-20693 B standards. Mildew, oil and carbon black's added charged version for external use, ageing resistant and ultra-violet proof.

Screwwise and self-adhesive bases, with adjustable tools complete this line of products.

### CHARACTERISTICS:

Material: natural and self-extinguishing nylon 6.6 (according to MIL-M-60293 B). Mildew resistant, oil resistant, etc.

Working temperature: -25°C +85°C.

External use: all the straps are available in the version for external use, in CARBON BLACK nylon, black colour.

### IMPORTANT:

Owing to physical features of nylon it is advisable to stock the product in temperate places, away from heat sources, avoiding too dry environments.

## POUR UNE SURE SERREMENT

La plus complète gamme de bandelettes de câblage produite en Italie; approuvées et homologuées par plusieurs industries italiennes et étrangères, soit dans le secteur électrotechnique autant que l'électronique.

Elles sont disponibles en 17 types, réalisées en nylon 6.6 naturel, même-extinguible conforme à les règles MIL-M-20693 B. Résistantes à les moisissures, huiles, salinité etc.; disponibles dans la version nylon naturel et dans la version adjointe avec carbon black pour l'usage externe, en résistance au vieillissement et ultraviolet.

Bases de fixation par vis et même-adhésive plus des outils réglables complètent cette ligne des produits.

### CARACTERISTIQUES:

Matériel: nylon 6.6 (conforme à les normes MIL-M-20693 B) naturel même-extinguible résistant à les moisissures, a les huiles etc. Température d'exercice: -25° +85°C.

Usage externe, en nylon CARBON BLACK en couleur noir.

### IMPORTANT:

Pour les caractéristiques physiques du nylon on conseille d'emmagasiner le produit dans un lieu tempéré et éloigné de fonts de chaleur évitant des milieux excessivement secs.

## VEDRAHTETE GURTE FÜR EINEN FESTEN GRIFF

Das villkommendste Set der in Italien hergestellten Gurte, durch viele italienische und ausländische Firmen zugelassen und typgeprüft sowohl in der elektrotechnischen als auch in der elektronischen Branche.

17 verfügbare Typen, alle hergestellt aus natürlichem und selbstlöschendem Nylon 6.6 nach M1L-M-20693B Standard. Kohlen schwarz verstärkter Ausführung für Außenbetrieb, alterungs- und ultraviolet beständig.

Zum Schrauben und auf Selbstklebebasis, mit einstellbarem Werkzeug, ist dieses Produkt vervollständig.

### MERKMALE:

Material: natürliches und selbstlöschendes Nylon 6.6 (nach M1L-M-20693B). Schimmelbeständig, ölbeständig etc. Arbeitstemperatur: -25° +85°C.

Außenbetrieb: sämtliche Gurte sind in der Ausführung für Außenbetrieb erhältlich, in Kohlen schwarz Nylon, Farbe schwarz.

### WICHTICH:

Weil das materiale von nylon gemacht ist, dürfte man drockener räume und höhe temperaturen nicht benutzen.

1000 pieces packaging  
 Confection de 1000 pièces  
 1000 stücke verpackung

**Confezioni  
 da 1000 pezzi**

colore neutro neutral colour couleur neutre neutral farbe	colore nero black colour couleur noir schwarz farbe	dimensioni dimentions dimensiones dimension	Ø MAX mm	KG min.
<b>115.201</b>	<b>115.301</b>	75 x 2.5	15	7
<b>115.203</b>	<b>115.303</b>	100 x 2.5	20	8
<b>115.205</b>	<b>115.305</b>	135 x 2.5	25	8
<b>115.206</b>	<b>115.306</b>	160 x 2.5	35	8
<b>115.207</b>	<b>115.307</b>	200 x 2.5	50	13
<b>115.209</b>	<b>115.309</b>	140 x 3.5	30	13
<b>115.210</b>	<b>115.310</b>	200 x 3.5	50	13
<b>115.211</b>	<b>115.311</b>	160 x 4.5	36	18
<b>115.213</b>	<b>115.313</b>	180 x 4.5	40	22
<b>115.215</b>	<b>115.315</b>	200 x 4.5	50	22
<b>115.216</b>	<b>115.316</b>	250 x 4.5	60	22

100 pieces packaging  
 Confection de 100 pièces  
 100 stücke verpackung

**Confezioni  
 da 100 pezzi**

colore neutro neutral colour couleur neutre neutral farbe	colore nero black colour couleur noir schwarz farbe	dimensioni dimentions dimensiones dimension	Ø MAX mm	KG min.
<b>115.201.2</b>	<b>115.301.2</b>	75 x 2.5	15	7
<b>115.203.2</b>	<b>115.303.2</b>	100 x 2.5	20	8
<b>115.205.2</b>	<b>115.305.2</b>	135 x 2.5	25	8
<b>115.206.2</b>	<b>115.306.2</b>	160 x 2.5	35	8
<b>115.207.2</b>	<b>115.307.2</b>	200 x 2.5	50	13
<b>115.209.2</b>	<b>115.309.2</b>	140 x 3.5	30	13
<b>115.210.2</b>	<b>115.310.2</b>	200 x 3.5	50	13
<b>115.211.2</b>	<b>115.311.2</b>	160 x 4.5	36	18
<b>115.213.2</b>	<b>115.313.2</b>	180 x 4.5	40	22
<b>115.215.2</b>	<b>115.315.2</b>	200 x 4.5	50	22
<b>115.216.2</b>	<b>115.316.2</b>	250 x 4.5	60	22
<b>115.217.2</b>	<b>115.317.2</b>	280 x 4.5	75	22
<b>115.219.2</b>	<b>115.319.2</b>	360 x 4.5	100	22
<b>115.220.2</b>	<b>115.320.2</b>	430 x 4.5	110	22
<b>115.221.2</b>	<b>115.321.2</b>	120 x 7.5	20	54
<b>115.223.2</b>	<b>115.323.2</b>	180 x 7.5	40	54
<b>115.225.2</b>	<b>115.325.2</b>	240 x 7.5	50	54
<b>115.226.2</b>	<b>115.326.2</b>	280 x 7.5	75	54
<b>115.227.2</b>	<b>115.327.2</b>	360 x 7.5	100	54
<b>115.229.2</b>	<b>115.329.2</b>	450 x 7.5	125	54
<b>115.230.2</b>	<b>115.330.2</b>	500 x 7.5	135	54
<b>115.231.2</b>	<b>115.331.2</b>	540 x 7.5	150	54
<b>115.233.2</b>	<b>115.333.2</b>	780 x 9	200	54

# Collari a fascetta

Collar wiring straps - Bandellettes a collier - Ringkabelschellen

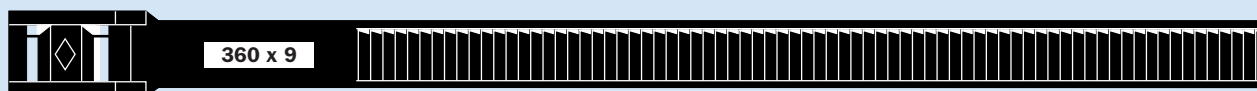
115.351



115.353



115.355

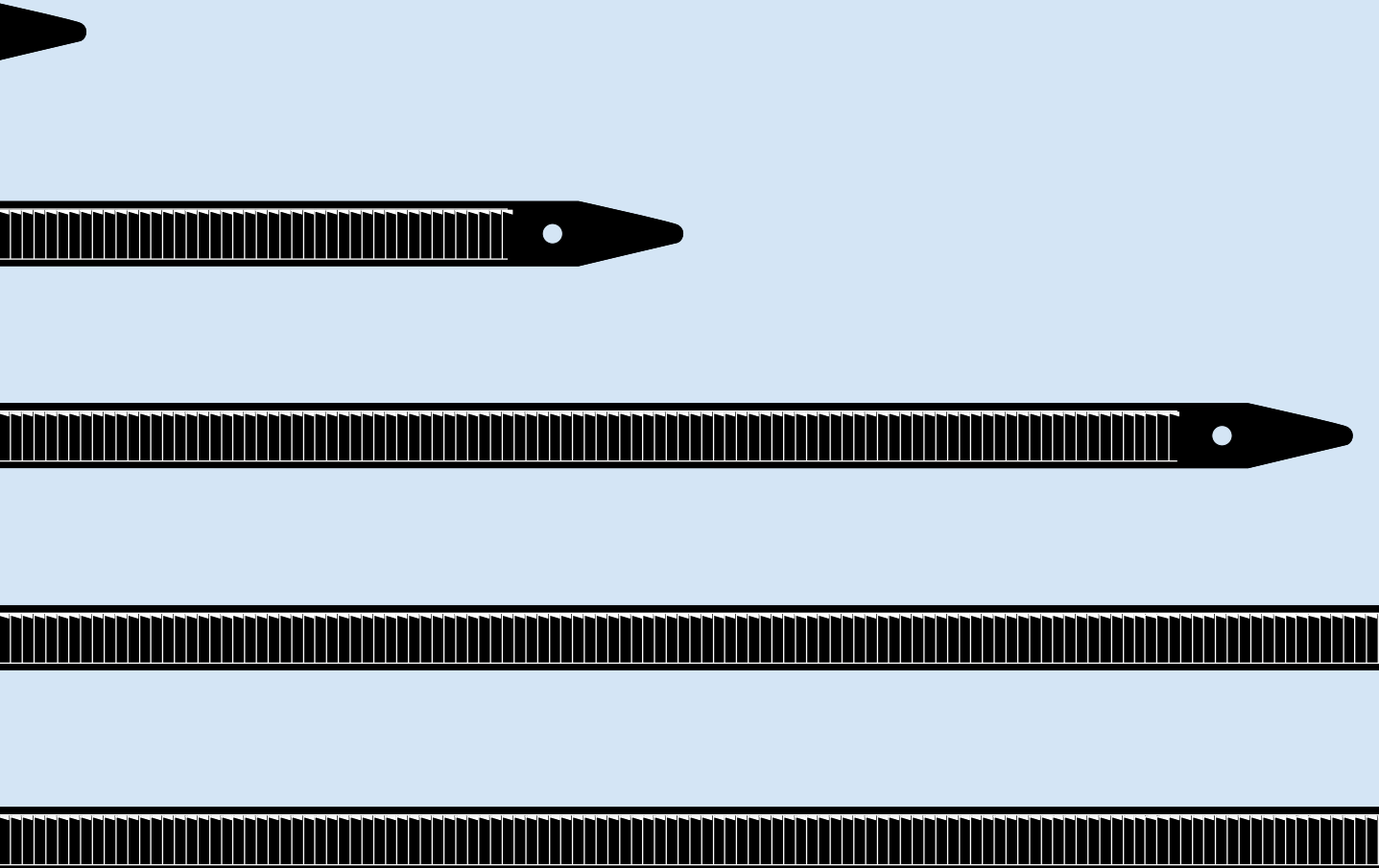


115.357



115.359







# Collari a fascetta

Collar wiring straps - Bandellettes a collier - Ringkabelschellen

colore nero black colour couleur noir schwarz farbe	dimensioni dimentions dimentiones dimension
<b>115.351.2</b>	180 X 9
<b>115.353.2</b>	265 X 9
<b>115.355.2</b>	360 X 9
<b>115.357.2</b>	500 X 9
<b>115.359.2</b>	750 X 9

**Confezioni  
da 100 pezzi**

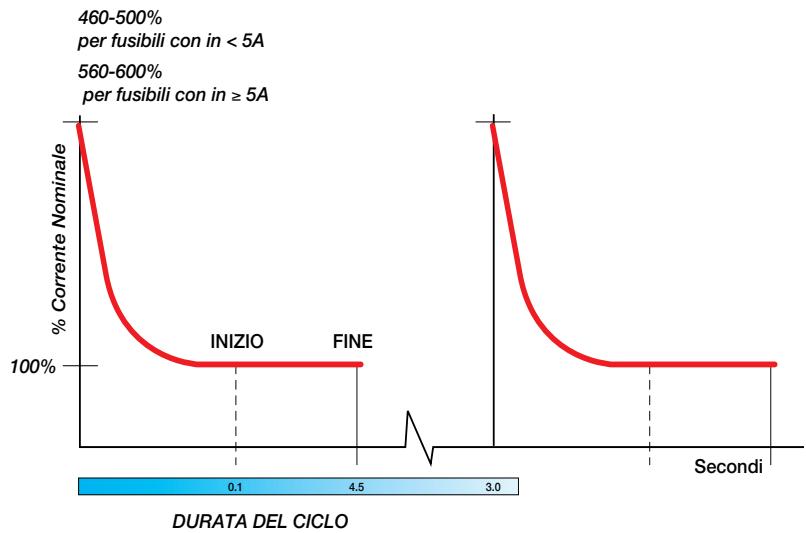
100 pieces packaging  
Confection de 100 pièces  
100 stücke verpackung





## Caratteristiche elettriche Characteristics electricques Electrical specification Elektrische merkmale

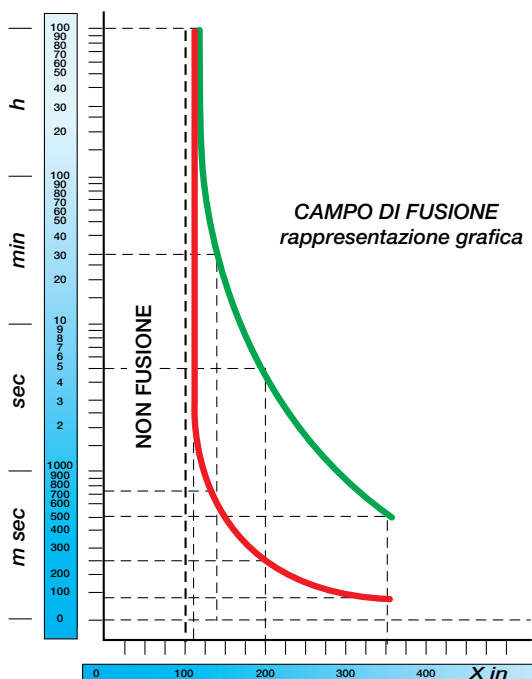
Correnti nominali in (A) rated current in (A) Intensité nominale in (A) Nennstrom in (A)	1A ÷ 30A
Tensione max Maximum voltage Voltage maximale Max Spannung	32 V dc
Temperatura d'esercizio Ambient temperature temperature ambiante Umgebungstemperatur	-40 ÷ +85 °C



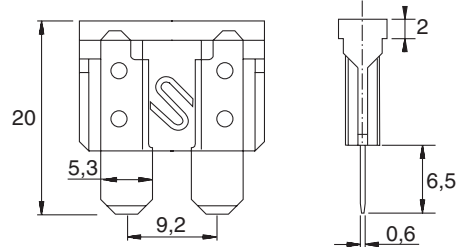
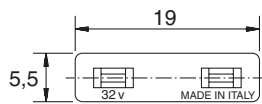
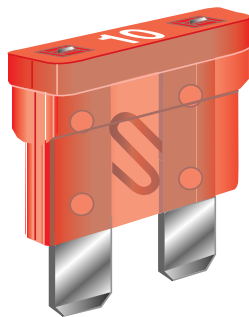
Resistenza ai cicli di corrente transitoria. Forma d'onda della corrente transitoria.  
Transient current cycling waveform. / Forme d'onde de la courante transitoire. / Wellenform des Durchgangstroms.

## Caratteristiche di fusione Fusing characteristics Caracteristiques de fusion Schmelz merkmale

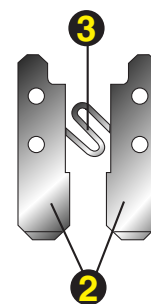
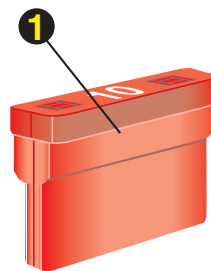
Tabella tempi di fusione (sec)  
Melting times (sec)  
Temps de fusion (sec)  
Schmelzzeiten (sec)



$I_n$ (A)	COLORE	$I_n+10\%$ NON FUSIONE $\leq 100$ h.	$I_n+35\%$ FUSIONE $\geq 0.75 \geq 1800$	$I_n+100\%$ FUSIONE $\leq 0.25 \leq 5$	$I_n+250\%$ FUSIONE $\geq 0.08 \geq 0.5$
1	nero - black noir - schwarz	1,1A (OK)	1,35 A	2 A	3 A
2	grigio - grey gris - grau	2,2 (OK)	2,7 A	4 A	6 A
3	violetto - violet violet - violett	3,3A (OK)	4,05 A	6 A	9 A
4	rosa - pink rose - rosa	4,4A (OK)	5,4 A	8 A	12 A
5	beige - beige marron clair - beige	5,5A (OK)	6,75 A	10 A	15 A
7.5	marrone - brown marron - braun	8,25A (OK)	10,125 A	15 A	22,5 A
10	rosso - red rouge - rot	11A (OK)	13,5 A	20 A	30 A
15	azzurro - light blue azur - hellblau	16,5A (OK)	20,25 A	30 A	45 A
20	giallo - yellow jaune - gelb	22A (OK)	27 A	40 A	60 A
25	neutro - neutral neutre - neutral	27,5A (OK)	33,75 A	50 A	75 A
30	verde - green vert - grun	33A (OK)	40,5 A	60 A	90 A



<b>1</b>	Guscio isolante / Insulating shell Demi coquille / Isolierende schale
<b>2</b>	Lame di contatto / Contact blades Lamelles de contact / Kontaktlamellen
<b>3</b>	Area di fusione / Fusing area Aire de fusion / Schmelzfläche



### CARATTERISTICHE FISICHE

Il fusibile a lama BORGATO è composto da un guscio in termoplastico, elemento isolante, e da una lamina in lega di zinco, corpo conduttore.

Il guscio è in policarbonato PC trasparente di colorazioni diverse in funzione dell'ampereaggio sul quale è riportato il valore di massimo voltaggio.

La lamina, corpo conduttore, è costituita da due terminali di contatto e da un'asticella, area di fusione; la sezione di quest'ultima è variabile a seconda dell'ampereaggio. Il tutto è ricavato in un unico pezzo mediante tranciatura.

Il guscio, elemento isolante e la lamina, corpo conduttore, vengono fissati rigidamente fra di loro mediante abbottonatura e saldatura ad ultrasuoni.

Nella parte superiore del corpo fusibile è stampigliato il valore dell'ampereaggio e dall'apposita finestrella si può verificare l'interruzione del fusibile.

I fusibili a lama BORGATO sono prodotti secondo le normative: SAE J 1284 - DIN 72581 - FIAT 9.91815.

### PHYSIQUES ELECTRIQUES

Le fusible lamellaire de la BORGATO est constitué d'une coquille en matériel thermoplastique, élément isolant et d'une lamelle en alliage de Zinc, partie conductrice.

Le coquille est en polycarbonate PC transparent de couleurs différentes selon les ampérages et sur les memes est gravée la valeur maximale de voltage.

La lamelle, partie conductrice, est constituée de deux terminaux de contact et d'une petite barre, aire de fusion; la section de l'aire de fusion est variable selon les ampérages. Tout ceci est obtenu de un unique pièce par découpage.

Le coquille isolantes et la lamelle conductrice sont fixés entre eux très rigidement par boutonage et soudure à ultrason.

Dans la partie supérieure du corp fusible est indiquée la valeur d'ampereage et une petite fenêtre permette de verifier l'éventuelle interruption du fusible.

Les fusibles lamellaires de la BORGATO sont produits selon les normatives: SAE J 1284 - DIN 72581 - FIAT 9.91815.

### PHISYCAL SPECIFICATION

BORGATO blade fuse is made up of one thermoplastic shell, insulating part, and a layer in Zinc alloy, conductor part.

The shell is in transparent polycarbonate PC material of different colours wich permit the ampereage identification and show the maximum voltage value.

The layer, conductor part, is made of two contact blades and of a little pole, fusing area, section of wich is variable according to ampereage.

The whole terminal is drawn up from a single piece by means of a shearing machine.

The shell, insulating parts and the layer, conductor body, are stiffly fixed together by means of "buttoning" and ultrasound welding.

In the superior part of fuse body is stamped the ampereage value and the small window permit to verify the possible fuse interruption.

BORGATO blade fuses are produced respecting all specifications on standards: SAE J 1284 - DIN 72581 - FIAT 9.91815.

### PHYSIKALISCHE MERKMALE

Die BORGATO Flachsicherung besteht aus 1 schale, dass von Thermo-Plastischer materiale gemacht ist, Isolierende Elementen und von einer Lamelle aus ZnLegierung, und Leiter.

Der schale ist aus Durchsichtbar Policarbonat PC hergestellt. Die verschiedener Farben die Halbschalen indikiert die Amperestärke und mit Aufdruck max spannungswert.

Die Lamelle, Das Leiter, ist von 2 Terminal Kontakten und Horizontaler bar Gemacht.

Schmelzfläche; Die querschnitt variiert mit die Amperestärke. Alles ist im ein Einziger Stück gemacht.












Der schale, Isolierende Elementen und die Lamelle, das Leiter sind steif mit einander verbunden, durch Ultra-Sönischer Lötung und knapfen.

In der oberteil das Sicherung ist gedruckt die max, Spannungswert und durch die Fenster kann mann einer durchgebrannten Sicherung Identifizieren.

Die BORGATO Flachsicherungen sind nach den Normen: SAE J 1284 - DIN 72581 - FIAT 9.91815 produziert worden.

# Fusibili lamellari UNI

UNI Lamellar fuses - UNI Fusibles lamellaires - UNI Flachsicherungen

ART	AMPÈRE	COLORE / COLOUR COULEUR / FARBE
115.418	1 A	 NERO - BLACK NOIRE - SCHWARZ
115.419	2 A	 GRIGIO - GREY GRIS - GRAU
115.420	3 A	 VIOLETTO - VIOLET VIOLET - VIOLETT
115.421	4 A	 ROSA - PINK ROSE - ROSA
115.422	5 A	 BEIGE - TAN MARRON CLAIR - BEIGE
115.423	7,5 A	 MARRONE - BROWN MARRON - BRAUN
115.424	10 A	 ROSSO - RED ROUGE - ROT
115.425	15 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.426	20 A	 GIALLO - YELLOW JAUNE - GELB
115.427	25 A	 BIANCO - WHITE BLANCHE - WEIß
115.428	30 A	 VERDE - GREEN VERT - GRÜN

Confezione industriale  
da 1000 pezzi

1000 pieces  
in industrial box

1000 pièces  
en boîte industrielle

1000 stücke  
industriepackung






Blisters or box  
of 50 pieces

En blister o boîte  
de 50 pièces

Blisters or schachtel  
von 50 stücke






Blisters o scatola  
da 50 pezzi



ART	AMPÈRE	COLORE / COLOUR COULEUR / FARBE
115.418.2	1 A	 NERO - BLACK NOIRE - SCHWARZ
115.419.2	2 A	 GRIGIO - GREY GRIS - GRAU
115.420.2	3 A	 VIOLETTO - VIOLET VIOLET - VIOLETT
115.421.2	4 A	 ROSA - PINK ROSE - ROSA
115.422.2	5 A	 BEIGE - TAN MARRON CLAIR - BEIGE
115.423.2	7,5 A	 MARRONE - BROWN MARRON - BRAUN
115.424.2	10 A	 ROSSO - RED ROUGE - ROT
115.425.2	15 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.426.2	20 A	 GIALLO - YELLOW JAUNE - GELB
115.427.2	25 A	 BIANCO - WHITE BLANCHE - WEIß
115.428.2	30 A	 VERDE - GREEN VERT - GRÜN

# Fusibili lamellari UNI

UNI Lamellar fuses - UNI Fusibles lamellaires - UNI Flachsicherungen

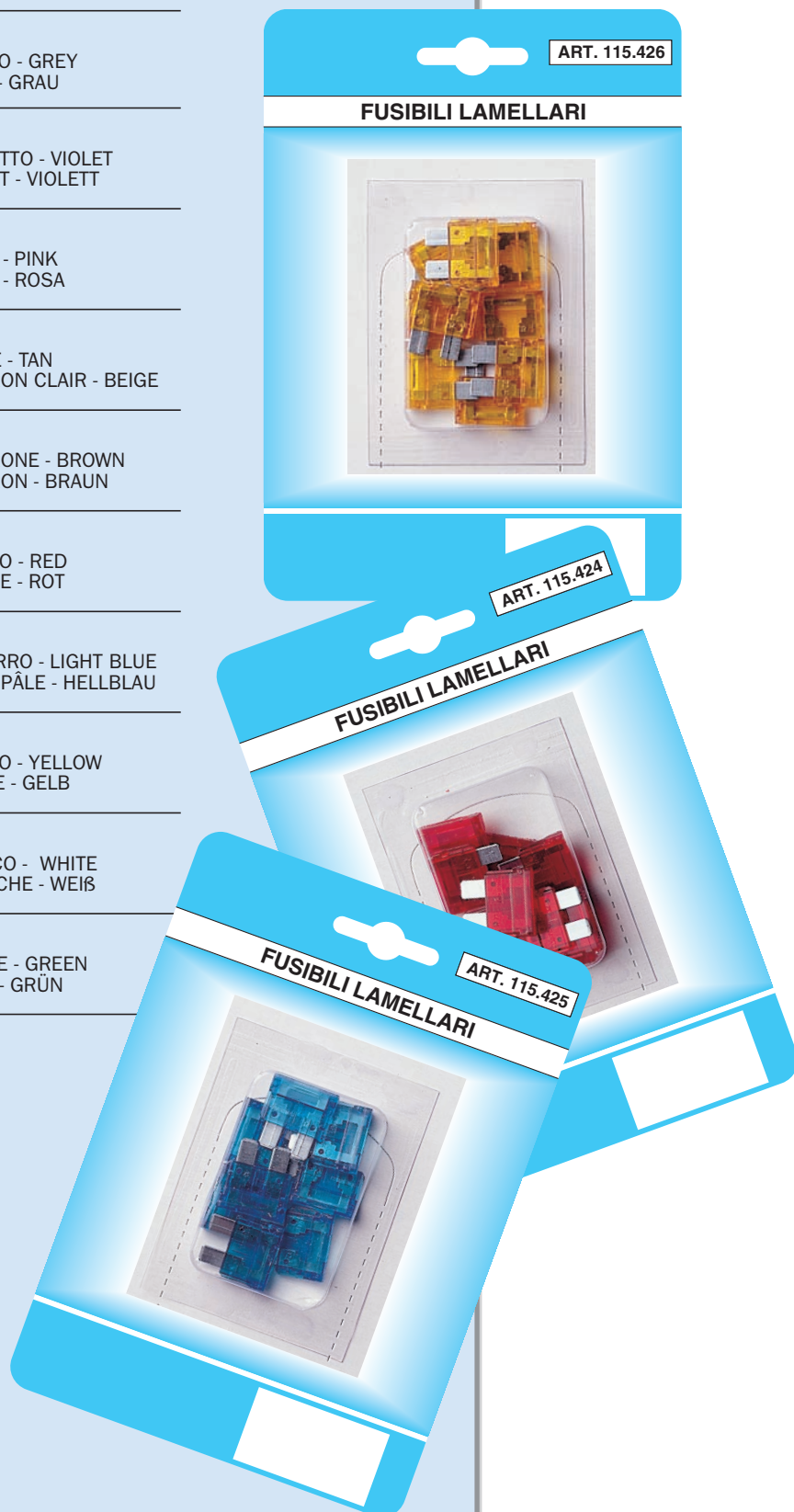
ART	AMPÈRE	COLORE / COLOUR COULEUR / FARBE
115.418.1	1 A	 NERO - BLACK NOIRE - SCHWARZ
115.419.1	2 A	 GRIGIO - GREY GRIS - GRAU
115.420.1	3 A	 VIOLETTO - VIOLET VIOLET - VIOLETT
115.421.1	4 A	 ROSA - PINK ROSE - ROSA
115.422.1	5 A	 BEIGE - TAN MARRON CLAIR - BEIGE
115.423.1	7,5 A	 MARRONE - BROWN MARRON - BRAUN
115.424.1	10 A	 ROSSO - RED ROUGE - ROT
115.425.1	15 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.426.1	20 A	 GIALLO - YELLOW JAUNE - GELB
115.427.1	25 A	 BIANCO - WHITE BLANCHE - WEIß
115.428.1	30 A	 VERDE - GREEN VERT - GRÜN

Blister  
da 10 pezzi

10 pieces on blister

Blister de 10 pièces

Blister von 10 stücke



9 fuses on blister card

Blister avec 9 fusibles

Blister mit 9 sicherungen

### Blister con 9 fusibili



ART	AMPÈRE	QUANTITÀ
115.430	3 A	1
	4 A	1
	5 A	1
	7,5 A	1
	10 A	1
	15 A	1
	20 A	1
	25 A	1
	30 A	1



ART	AMPÈRE	QUANTITÀ
115.431	7,5 A	2
	10 A	2
	15 A	2
	20 A	1
	25 A	1
	30 A	1



# Fusibili lamellari UNI

UNI Lamellar fuses - UNI Fusibles lamellaires - UNI Flachsicherungen

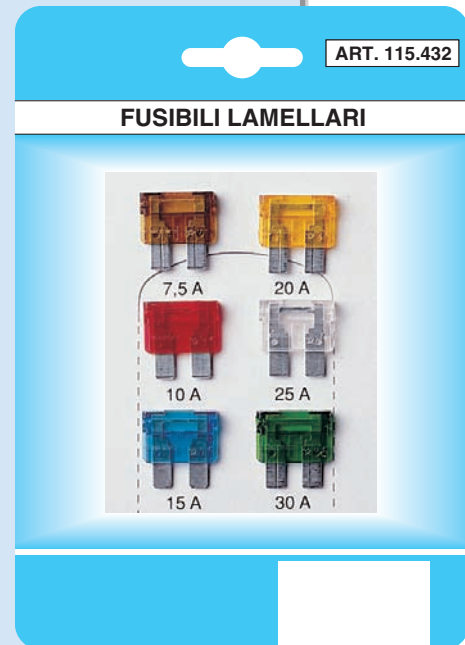
Blister con 6 fusibili

6 fuses on blister card

Blister avec 6 fusibles

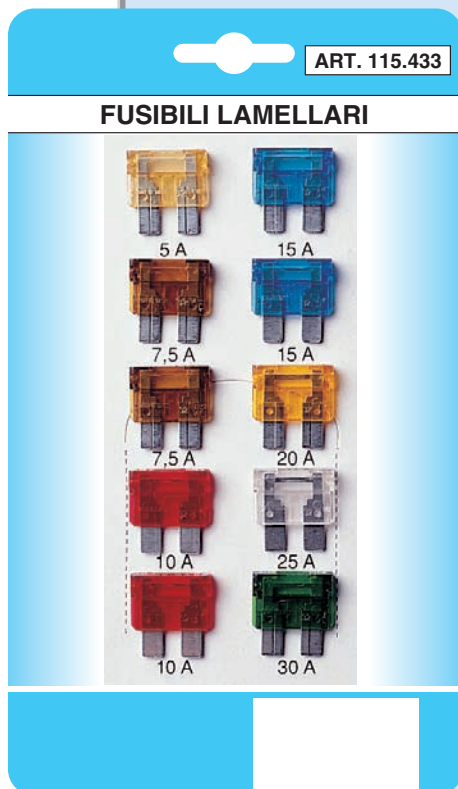
Blister mit 6 sicherungen

ART	AMPÈRE	QUANTITÀ
115.432	7,5 A	1
	10 A	1
	15 A	1
	20 A	1
	25 A	1
	30 A	1

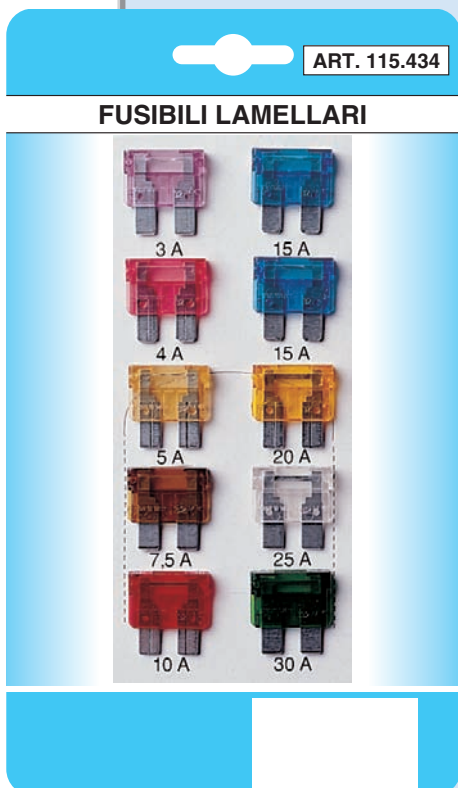


10 fuses on blister card  
 Blister avec 10 fusibles  
 Blister mit 10 sicherungen

### Blister con 10 fusibili



ART	AMPÈRE	QUANTITÀ
115.433	5 A	1
	7,5 A	2
	10 A	2
	15 A	2
	20 A	1
	25 A	1
	30 A	1



ART	AMPÈRE	QUANTITÀ
115.434	3 A	1
	4 A	1
	5 A	1
	7,5 A	1
	10 A	1
	15 A	2
	20 A	1
	25 A	1
	30 A	1

# Fusibili lamellari UNI








UNI Lamellar fuses - UNI Fusibles lamellaires - UNI Flachsicherungen

Confezione  
professionale  
da 500 pezzi

Professional box  
of 500 pieces

Confection professionnelle  
de 500 pièces

Berufspackung  
von 500 stücke

ART.	AMPÈRE	QUANTITÀ	COLORE / COLOUR COLEUR / FARBE
<b>115.435</b>	5 A	25	 BEIGE - TAN MARRON CLAIR - BEIGE
	7,5 A	100	 MARRONE - BROWN MARRON - BRAUN
	10 A	150	 ROSSO - RED ROUGE - ROT
	15 A	75	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
	20 A	100	 GIALLO - YELLOW JAUNE - GELB
	25 A	25	 BIANCO - WHITE BLANCHE - WEIß
	30 A	25	 VERDE - GREEN VERT - GRÜN












Professional box  
of 1000 pieces

Confection professionnelle  
de 1000 pièces

Berufspackung  
von 1000 stücke

**Confezione  
professionale  
da 1000 pezzi**

ART.	AMPÈRE	QUANTITÀ	COLORE / COLOUR COULEUR / FARBE
<b>115.436</b>	3 A	50	 VIOLETTO - VIOLET VIOLET - VIOLETT
	4 A	50	 ROSA - PINK ROSE - ROSA
	5 A	50	 BEIGE - TAN MARRON CLAIR - BEIGE
	7,5 A	150	 MARRONE - BROWN MARRON - BRAUN
	10 A	250	 ROSSO - RED ROUGE - ROT
	15 A	150	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
	20 A	150	 GIALLO - YELLOW JAUNE - GELB
	25 A	100	 BIANCO - WHITE BLANCHE - WEIß
30 A	50	 VERDE - GREEN VERT - GRÜN	

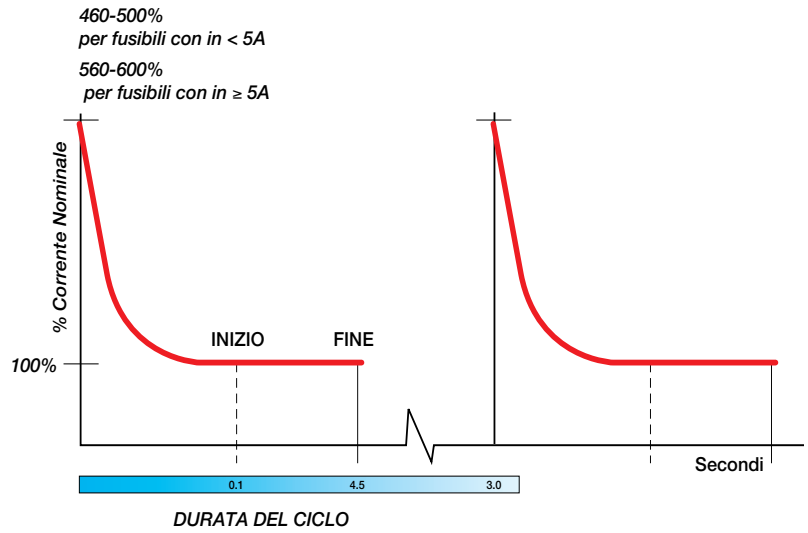


# Fusibili lamellari MINI

MINI lamellar fuses - MINI fusibles lamellaires - MINI flachsicherungen

## Caratteristiche elettriche Characteristics electriques Electrical specification Elektrische merkmale

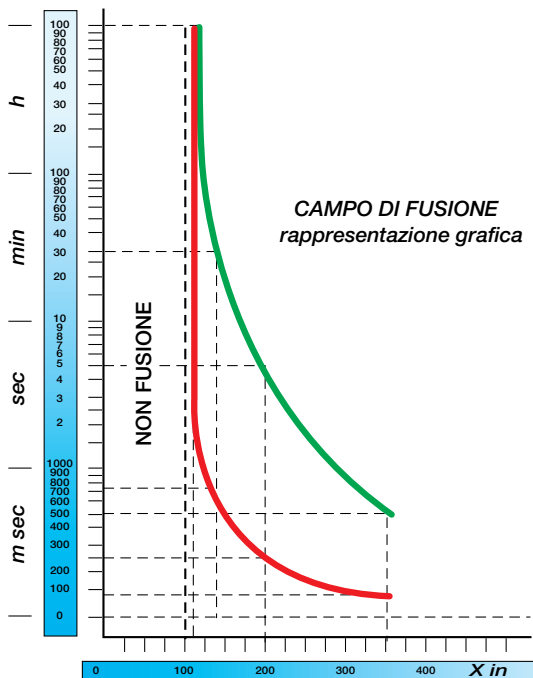
Correnti nominali in (A) rated current in (A) Intensité nominale in (A) Nennstrom in (A)	1A ÷ 30A
Tensione max Maximum voltage Voltage maximale Max Spannung	32 V dc
Temperatura d'esercizio Ambient temperature temperature ambiante Umgebungstemperatur	-40 ÷ +85 °C



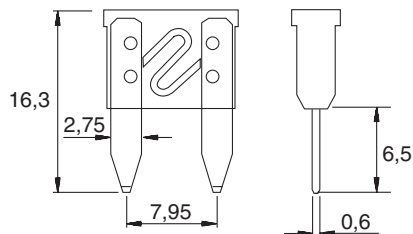
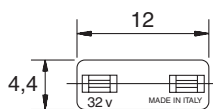
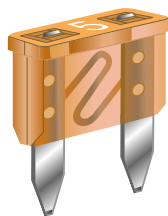
Resistenza ai cicli di corrente transitoria. Forma d'onda della corrente transitoria.  
Transient current cycling waveform. / Forme d'onde de la courante transitoire. / Wellenform des Durchgangstroms.

## Caratteristiche di fusione Fusing characteristics Caracteristiques de fusion Schmelz merkmale

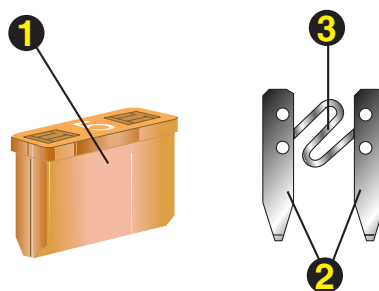
Tabella tempi di fusione (sec)  
Melting times (sec)  
Temps de fusion (sec)  
Schmelzzeiten (sec)



$I_n$ (A)	COLORE	$I_n+10\%$ NON FUSIONE $\leq 100$ h.	$I_n+35\%$ FUSIONE $\geq 0.75 \geq 1800$	$I_n+100\%$ FUSIONE $\leq 0.25 \leq 5$	$I_n+250\%$ FUSIONE $\geq 0.08 \geq 0.5$
1	nero - black noir - schwarz	1,1A (OK)	1,35 A	2 A	3 A
2	grigio - grey gris - grau	2,2 (OK)	2,7 A	4 A	6 A
3	violetto - violet violet - violett	3,3A (OK)	4,05 A	6 A	9 A
4	rosa - pink rose - rosa	4,4A (OK)	5,4 A	8 A	12 A
5	beige - beige marron clair - beige	5,5A (OK)	6,75 A	10 A	15 A
7.5	marrone - brown marron - braun	8,25A (OK)	10,125 A	15 A	22,5 A
10	rosso - red rouge - rot	11A (OK)	13,5 A	20 A	30 A
15	azzurro - light blue azur - hellblau	16,5A (OK)	20,25 A	30 A	45 A
20	giallo - yellow jaune - gelb	22A (OK)	27 A	40 A	60 A
25	neutro - neutral neutre - neutral	27,5A (OK)	33,75 A	50 A	75 A
30	verde - green vert - grun	33A (OK)	40,5 A	60 A	90 A



<b>1</b>	Guscio isolante / Insulating shell Coquille / Isolierende schale
<b>2</b>	Lame di contatto / Contact blades Lamelles de contact / Kontaktlamellen
<b>3</b>	Area di fusione / Fusing area Aire de fusion / Schmelzfläche



### CARATTERISTICHE FISICHE

Il fusibile a lama BORGATO è composto da un guscio in termoplastico, elemento isolante, e da una lamina in lega di zinco, corpo conduttore.

Il guscio è in policarbonato PC trasparente di colorazioni diverse in funzione dell'ampereaggio sul quale è riportato il valore di massimo voltaggio.

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Nella parte superiore del corpo fusibile è stampigliato il valore dell'ampereaggio e dall'apposita finestrella si può verificare l'interruzione del fusibile.

I fusibili a lama BORGATO sono prodotti secondo le normative: SAE J 1284 - DIN 72581 - FIAT 9.91815.

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The whole terminal is drawn up from a single piece by means of a shearing machine.

The shell, insulating parts and the layer, conductor body, are stiffly fixed together by means of "buttoning" and ultrasound welding.

The superior part of fuse body is stamped the amperage value and the small window permit to verify the possible fuse interruption.

BORGATO blade fuses are produced respecting all specifications on standards: SAE J 1284 - DIN 72581 - FIAT 9.91815.

### PHYSIKALISCHE MERKMALE

Die BORGATO Flachsicherung besteht aus 1 schale, dass von Thermo-Plastischer materiale gemacht ist, Isolierende Elementen und von einer Lamelle aus ZnLegierung, und Leiter.

Der schale ist aus Durchsichtbar Policarbonat PC hergestellt. Die verschiedener Farben die Halbschalen indikiert die Amperestärke und mit Aufdruck max spannungswert.

Die Lamelle, Das Leiter, ist von 2 Terminal Kontakten und Horizontaler bar Gemacht.

Schmelzfläche; Die querschnitt variiert mit die Amperestärke. Alles ist im ein Einziger Stück gemacht.












Der schale, Isolierende Elementen und die Lamelle, das Leiter sind steif mit einander verbunden, durch Ultra-Sönischer Lötung und knapfen.

In der oberteil das Sicherung ist gedruckt die max, Spannungswert und durch die Fenster kann mann einer durchgebrannten Sicherung Identifizieren.

Die BORGATO Flachsicherungen sind nach den Normen: SAE J 1284 - DIN 72581 - FIAT 9.91815 produziert worden.

# Fusibili lamellari MINI

MINI lamellar fuses - MINI fusibles lamellaires - MINI flachsicherungen

ART	AMPÈRE	COLORE / COLOUR COULEUR / FARBE
115.450	1 A	 NERO - BLACK NOIR - SCHWARZ
115.451	2 A	 GRIGIO - GREY GRIS - GRAU
115.452	3 A	 VIOLETTO - VIOLET VIOLET - VIOLETT
115.453	4 A	 ROSA - PINK ROSE - ROSA
115.454	5 A	 BEIGE - BEIGE MARRON CLAIR - BEIGE
115.455	7,5 A	 MARRONE - BROWN MARRON - BRAUN
115.456	10 A	 ROSSO - RED ROUGE - ROT
115.457	15 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.458	20 A	 GIALLO - YELLOW JAUNE - GELB
115.459	25 A	 BIANCO - WHITE BLANCHE - WEIß
115.460	30 A	 VERDE - GREEN VERT - GRÜN

Confezione industriale  
da 1000 pezzi

1000 pieces  
in industrial box

1000 pièces  
en boîte industrielle

1000 stücke  
industriepackung

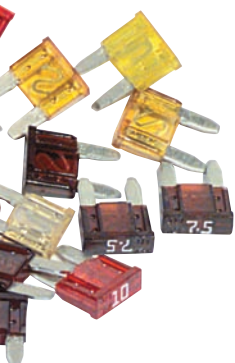













Blisters or box  
of 50 pieces

En blister o boîte  
de 50 pièces

Blisters or schachtel  
von 50 stücke

Blisters o scatola  
da 50 pezzi














ART	AMPÈRE	COLORE / COLOUR COULEUR / FARBE
115.450.2	1 A	 NERO - BLACK NOIR - SCHWARZ
115.451.2	2 A	 GRIGIO - GREY GRIS - GRAU
115.452.2	3 A	 VIOLETT - VIOLET VIOLET - VIOLETT
115.453.2	4 A	 ROSA - PINK ROSE - ROSA
115.454.2	5 A	 BEIGE - BEIGE MARRON CLAIR - BEIGE
115.455.2	7,5 A	 MARRONE - BROWN MARRON - BRAUN
115.456.2	10 A	 ROSSO - RED ROUGE - ROT
115.457.2	15 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.458.2	20 A	 GIALLO - YELLOW JAUNE - GELB
115.459.2	25 A	 BIANCO - WHITE BLANCHE - WEIß
115.460.2	30 A	 VERDE - GREEN VERT - GRÜN



# Fusibili lamellari MINI

MINI lamellar fuses - MINI fusibles lamellaires - MINI flachsicherungen

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.450.1	1 A	 NERO - BLACK NOIR - SCHWARZ
115.451.1	2 A	 GRIGIO - GREY GRIS - GRAU
115.452.1	3 A	 VIOLETTO - VIOLET VIOLET - VIOLETT
115.453.1	4 A	 ROSA - PINK ROSE - ROSA
115.454.1	5 A	 BEIGE - BEIGE MARRON CLAIR - BEIGE
115.455.1	7,5 A	 MARRONE - BROWN MARRON - BRAUN
115.456.1	10 A	 ROSSO - RED ROUGE - ROT
115.457.1	15 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.458.1	20 A	 GIALLO - YELLOW JAUNE - GELB
115.459.1	25 A	 BIANCO - WHITE BLANCHE - WEIß
115.460.1	30 A	 VERDE - GREEN VERT - GRÜN

Confezioni  
da 10 pezzi

10 pieces packaging  
Confection de 10 pièces  
10 stücke verpackung



6 fuses on blister card

Blister avec 6 fusibles

Blister mit 6 sicherungen

### Blister con 6 fusibili



ART	AMPÈRE	QUANTITÀ
115.481	7,5 A	1
	10 A	1
	15 A	1
	20 A	1
	25 A	1
	30 A	1

10 fuses on blister card

Blister avec 10 fusibles

Blister mit 10 sicherungen

### Blister con 10 fusibili



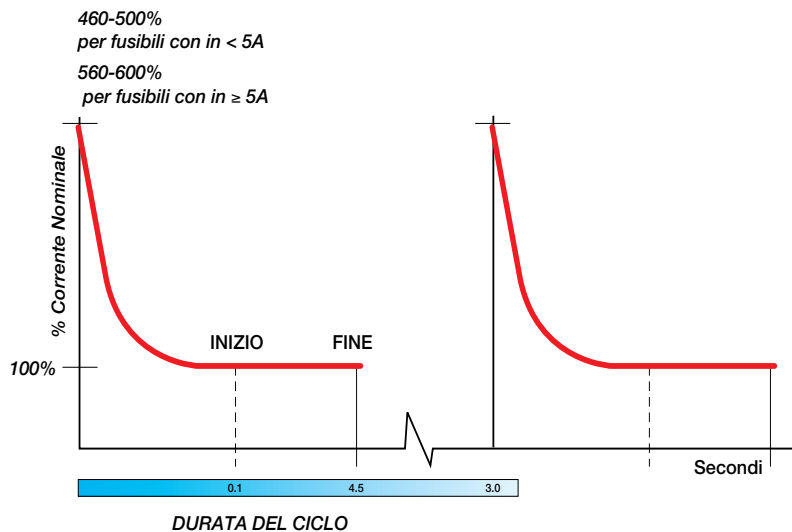
ART	AMPÈRE	QUANTITÀ
115.480	5 A	1
	7,5 A	2
	10 A	2
	15 A	2
	20 A	1
	25 A	1
	30 A	1

# Fusibili lamellari MAXI

MAXI lamellar fuses - MAXI fusibles lamellaires - MAXI flachsicherungen

## Caratteristiche elettriche Characteristics electriques Electrical specification Elektrische merkmale

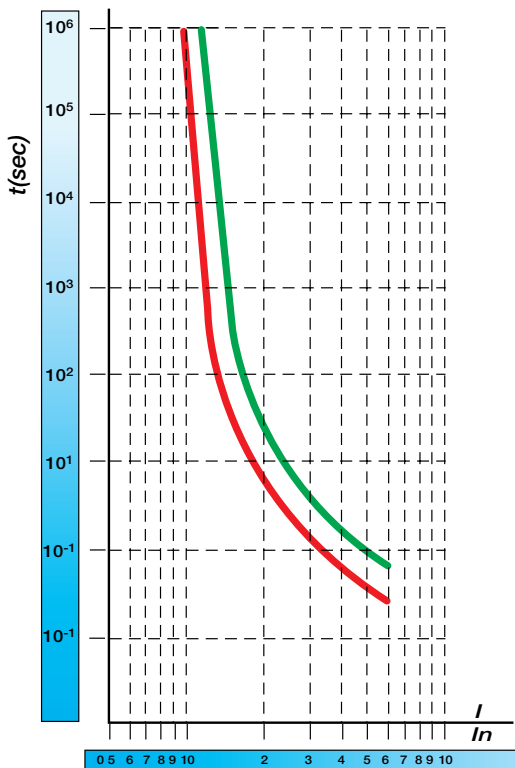
Correnti nominali in (A) rated current in (A) Intensité nominale in (A) Nennstrom in (A)	<b>1A ÷ 30A</b>
Tensione max Maximum voltage Voltage maximale Max Spannung	<b>32 V dc</b>
Temperatura d'esercizio Ambient temperature temperature ambiante Umgebungstemperatur	<b>-40 ÷ +85 °C</b>



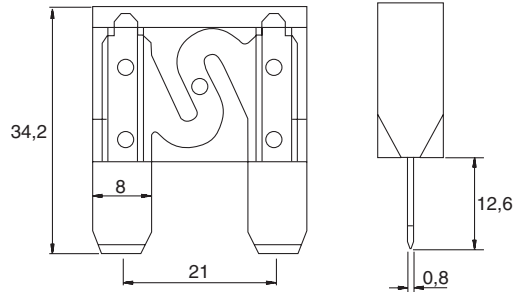
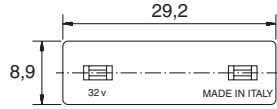
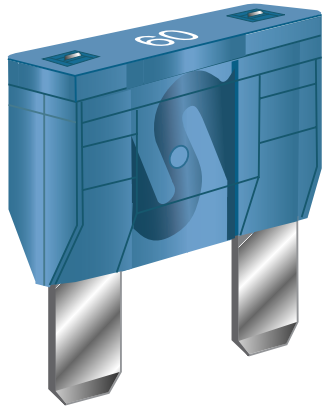
Resistenza ai cicli di corrente transitoria. Forma d'onda della corrente transitoria.  
Transient current cycling waveform. / Forme d'onde de la courante transitoire. / Wellenform des Durchgangstroms.

## Caratteristiche di fusione Fusing characteristics Caracteristiques de fusion Schmelz merkmale

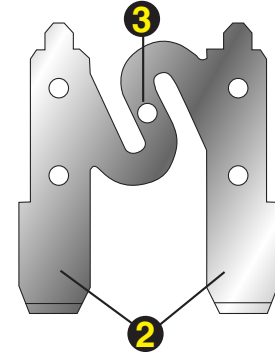
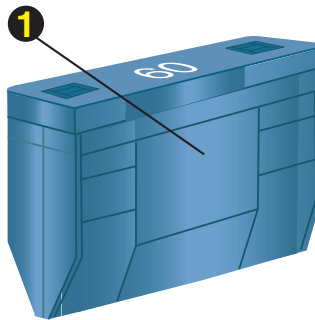
Tabella tempi di fusione (sec)  
Melting times (sec)  
Temps de fusion (sec)  
Schmelzzeiten (sec)



$I_n$ (A)	COLORE	$I_n+10\%$ NON FUSIONE $\leq 100$ h.	$I_n+35\%$ FUSIONE $\geq 0.75 \geq 1800$	$I_n+100\%$ FUSIONE $\leq 0.25 \leq 5$	$I_n+250\%$ FUSIONE $\geq 0.08 \geq 0.5$
<b>20</b>	giallo - yellow jaune - gelb	22A (OK)	27 A	40 A	60 A
<b>30</b>	verde - green vert - grün	33A (OK)	40,5 A	60 A	90 A
<b>40</b>	arancione - orange orange - orange	44A (OK)	54 A	80 A	120 A
<b>50</b>	rosso - red rouge - rot	55A (OK)	67,5 A	100 A	150 A
<b>60</b>	azzurro - light blue azur - hellblau	66A (OK)	81 A	120 A	180 A
<b>80</b>	bianco - white blanche - weiß	88A (OK)	108 A	160 A	240 A



- |          |  |
|----------|--|
| <b>1</b> | Guscio isolante / Insulating shell<br>Coquille / Isolierende schale        |
| <b>2</b> | Lame di contatto / Contact blades<br>Lamelles de contact / Kontaktlamellen |
| <b>3</b> | Area di fusione / Fusing area<br>Aire de fusion / Schmelzfläche            |



### CARATTERISTICHE FISICHE

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The whole terminal is drawn up from a single piece by means of a shearing machine.

The shell, insulating parts and the layer, conductor body, are stiffly fixed together by means of "buttoning" and ultrasound welding.

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Die Lamelle, Das Leiter, ist von 2 Terminal Kontakten und Horizontaler bar Gemacht.

Schmelzfläche; Die querschnitt variiert mit die Amperestärke. Alles ist im ein Einziger Stück gemacht.








Der schale, Isolierende Elementen und die Lamelle, das Leiter sind steif mit einander verbunden, durch Ultra-Sönischer Lötung und knapfen.

In der oberteil das Sicherung ist gedruckt die max, Spannungswert und durch die Fenster kann mann einer durchgebrannten Sicherung Identifizieren.

Die BORGATO Flachsicherungen sind nach den Normen: SAE J 1284 - DIN 72581 - FIAT 9.91815 produziert worden.

# Fusibili lamellari MAXI

MAXI lamellar fuses - MAXI fusibles lamellaires - MAXI flachsicherungen

ART	AMPÈRE	COLORE / COLOUR COULEUR / FARBE
115.470	20 A	 GIALLO - YELLOW JAUNE - GELB
115.471	30 A	 VERDE - GREEN VERT - GRÜN
115.472	40 A	 ARANCIONE - ORANGE ORANGE - ORANGE
115.473	50 A	 ROSSO - RED ROUGE - ROT
115.474	60 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.475	70 A	 BEIGE - BEIGE MARRON CLAIR - BEIGE
115.476	80 A	 BIANCO - WHITE BLANCHE - WEIß

Confezione industriale  
da 1000 pezzi

1000 pieces  
in industrial box

1000 pièces  
en boîte industrielle

1000 stücke  
industriepackung

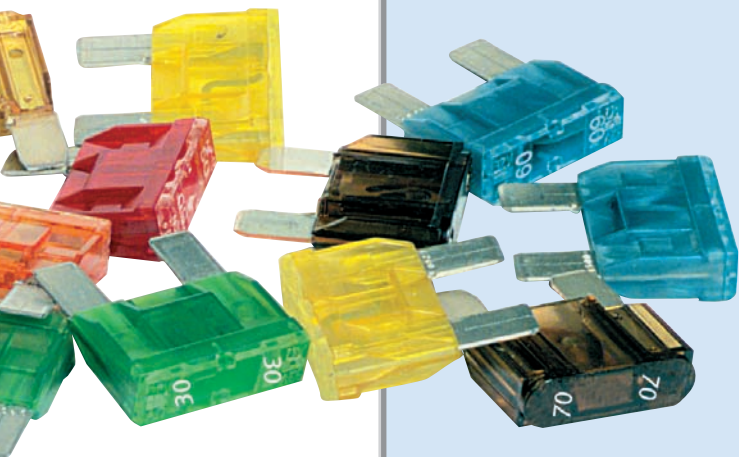









Blister or box  
of 10 pieces

En blister o boîte  
de 10 pièces

Blister or schachtel  
von 10 stücke

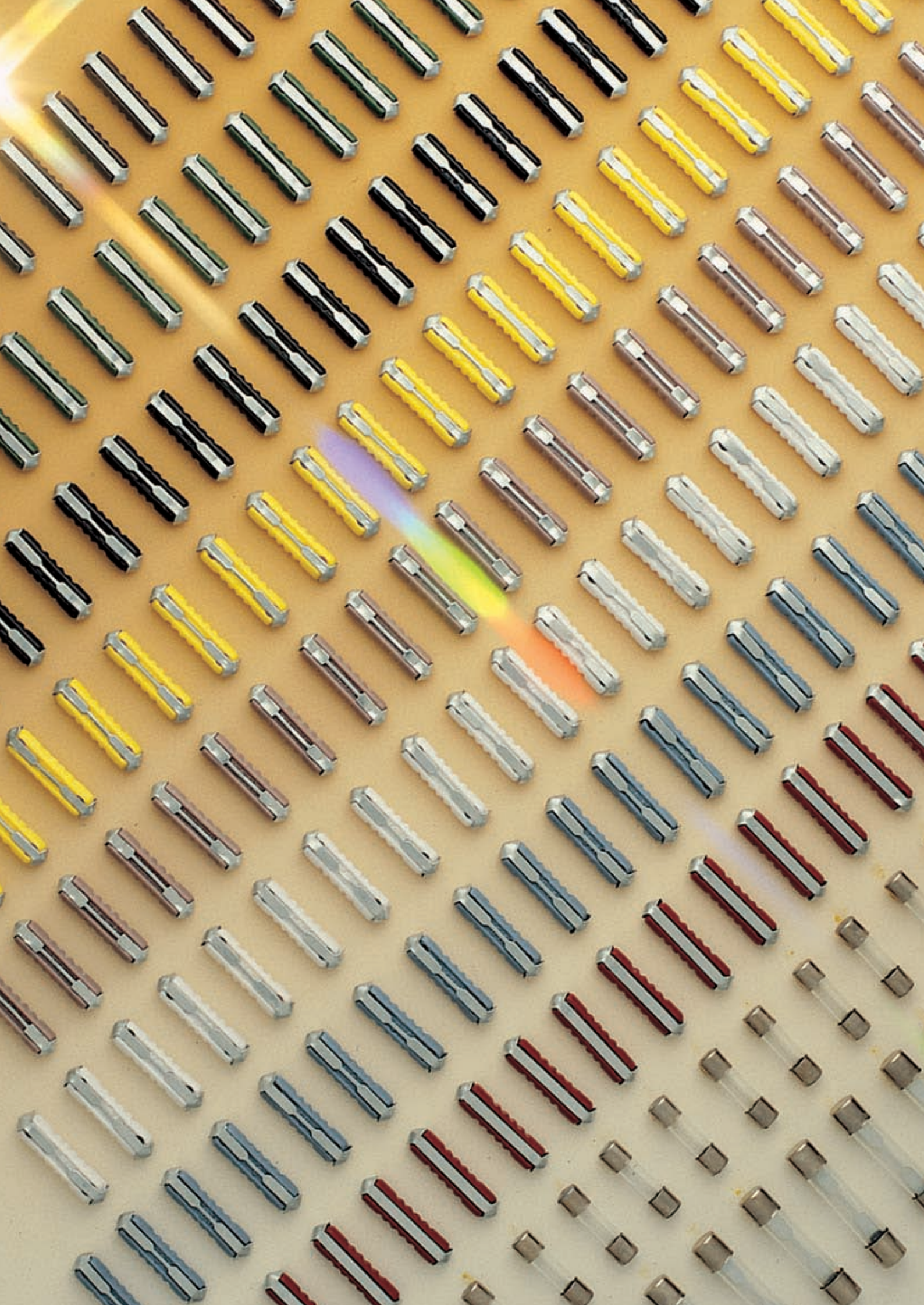
Blister o scatola  
da 10 pezzi



ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.470.1	20 A	 GIALLO - YELLOW JAUNE - GELB
115.471.1	30 A	 VERDE - GREEN VERT - GRÜN
115.472.1	40 A	 ARANCIONE - ORANGE ORANGE - ORANGE
115.473.1	50 A	 ROSSO - RED ROUGE - ROT
115.474.1	60 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.475.1	70 A	 BEIGE - BEIGE MARRON CLAIR - BEIGE
115.476.1	80 A	 BIANCO - WHITE BLANCHE - WEISS









# Fusibili cilindrici per auto

Cylindrical car fuses - Fusibles cylindrique pour auto

Zylindrische Sicherungen für wagen

## Vetture italiane

Italians cars

Voitures italiennes

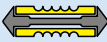
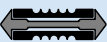
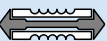
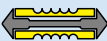
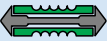

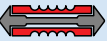
Italienische wagen

Confezione industriale  
da 10.000 pezzi

10.000 pieces industrial  
packaging

Confection industrielle  
de 10.000 pièces

10.000 stücke  
industriepackung

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.620	5 A	 GIALLO - YELLOW JAUNE - GELB
115.622	8 A	 NERO - BLACK NOIR - SCHWARZ
115.625	10 A	 BIANCO - WHITE BLANCHE - WEIß
115.627	15 A	 GIALLO - YELLOW JAUNE - GELB
115.628	16 A	 VERDE - GREEN VERT - GRÜN
115.631	25 A	 MARRONE - BROWN MARRON - BRAUN
115.634	40 A	 ROSSO - RED ROUGE - ROT



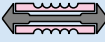
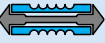
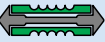
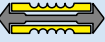
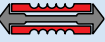


### Vetture francesi

French cars

Voitures francaises

Französische wagen


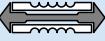
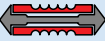

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.621	5 A	 ROSA - PINK ROSE - ROSA
115.624	8 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.626	10 A	 VERDE - GREEN VERT - GRÜN
115.630	16 A	 GIALLO - YELLOW JAUNE - GELB
115.633	25 A	 ROSSO - RED ROUGE - ROT

### Vetture tedesche

German cars

Voitures allemandes

Deutsche wagen

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.620	5 A	 GIALLO - YELLOW JAUNE - GELB
115.623	8 A	 BIANCO - WHITE BLANCHE - WEIß
115.629	16 A	 ROSSO - RED ROUGE - ROT
115.632	25 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU

# Fusibili cilindrici per auto

Cylindrical car fuses - Fusibles cylindrique pour auto

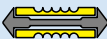


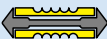



Zylindrische Sicherungen für wagen

## Vetture italiane

Italians cars

Voitures italiennes

Italienische wagen

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.620.2	5 A	 GIALLO - YELLOW JAUNE - GELB
115.622.2	8 A	 NERO - BLACK NOIR - SCHWARZ
115.625.2	10 A	 BIANCO - WHITE BLANCHE - WEIß
115.627.2	15 A	 GIALLO - YELLOW JAUNE - GELB
115.628.2	16 A	 VERDE - GREEN VERT - GRÜN
115.631.2	25 A	 MARRONE - BROWN MARRON - BRAUN
115.634.2	40 A	 ROSSO - RED ROUGE - ROT

Scatola da 100 pezzi

Box of 100 pieces

Boite de 100 pièces

Schachtel von 100 stücke



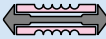
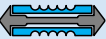
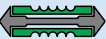
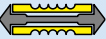
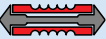


### Vetture francesi

French cars

Voitures francaises

Französische wagen

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.621.2	5 A	 ROSA - PINK ROSE - ROSA
115.624.2	8 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.626.2	10 A	 VERDE - GREEN VERT - GRÜN
115.630.2	16 A	 GIALLO - YELLOW JAUNE - GELB
115.633.2	25 A	 ROSSO - RED ROUGE - ROT

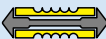





### Vetture tedesche

German cars

Voitures allemandes

Deutsche wagen

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.620.2	5 A	 GIALLO - YELLOW JAUNE - GELB
115.623.2	8 A	 BIANCO - WHITE BLANCHE - WEIß
115.629.2	16 A	 ROSSO - RED ROUGE - ROT
115.632.2	25 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU

# Fusibili cilindrici per auto

Cylindrical car fuses - Fusibles cylindrique pour auto

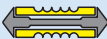


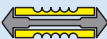



Zylindrische Sicherungen für wagen

## Vetture italiane

Italians cars

Voitures italiennes

Italienische wagen

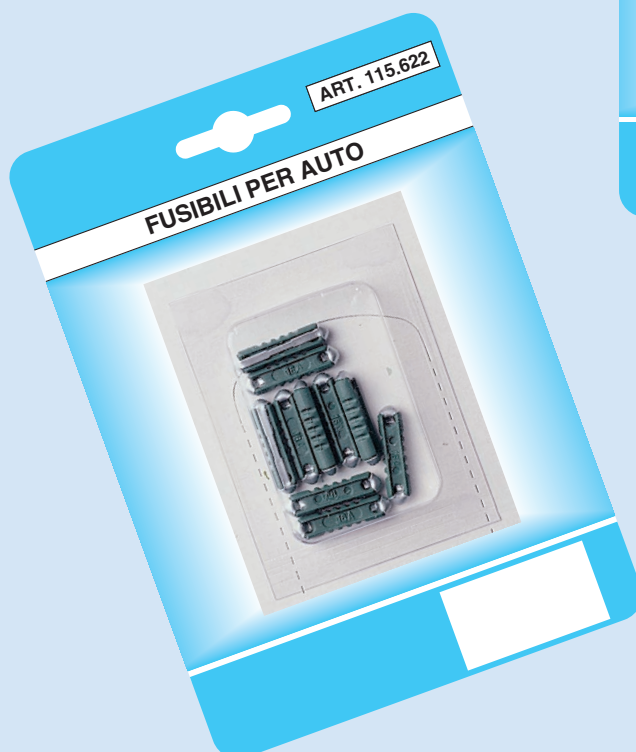
ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.620.1	5 A	 GIALLO - YELLOW JAUNE - GELB
115.622.1	8 A	 NERO - BLACK NOIR - SCHWARZ
115.625.1	10 A	 BIANCO - WHITE BLANCHE - WEIß
115.627.1	15 A	 GIALLO - YELLOW JAUNE - GELB
115.628.1	16 A	 VERDE - GREEN VERT - GRÜN
115.631.1	25 A	 MARRONE - BROWN MARRON - BRAUN
115.634.1	40 A	 ROSSO - RED ROUGE - ROT

Blister da 10 pezzi

10 pieces on blister

Blister de 10 pièces

Blister von 10 stücke



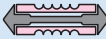
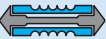
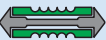
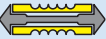
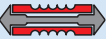


### Vetture francesi

French cars

Voitures francaises

Französische wagen

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.621.1	5 A	 ROSA - PINK ROSE - ROSA
115.624.1	8 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU
115.626.1	10 A	 VERDE - GREEN VERT - GRÜN
115.630.1	16 A	 GIALLO - YELLOW JAUNE - GELB
115.633.1	25 A	 ROSSO - RED ROUGE - ROT

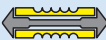
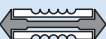




### Vetture tedesche

German cars

Voitures allemandes

Deutsche wagen

ART	AMPÈRE	COLORE / COLOUR COLEUR / FARBE
115.620.1	5 A	 GIALLO - YELLOW JAUNE - GELB
115.623.1	8 A	 BIANCO - WHITE BLANCHE - WEIß
115.629.1	16 A	 ROSSO - RED ROUGE - ROT
115.632.1	25 A	 AZZURRO - LIGHT BLUE BLEU PÂLE - HELLBLAU

# Fusibili cilindrici per auto

Cilindrical car fuses - Fusibles cylindrique pour auto  
Zylindrische Sicherungen für wagen

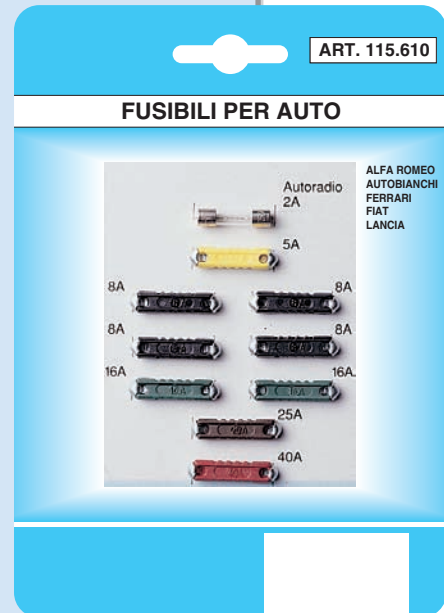
ALFA ROMEO  
AUTOBIANCHI - FERRARI  
FIAT - LANCIA

ART	AMPÈRE	QUANTITÀ
	AUTORADIO 2A	1
	5 A	1
<b>115.610</b>	8 A	4
	16 A	2
	25 A	1
	40 A	1

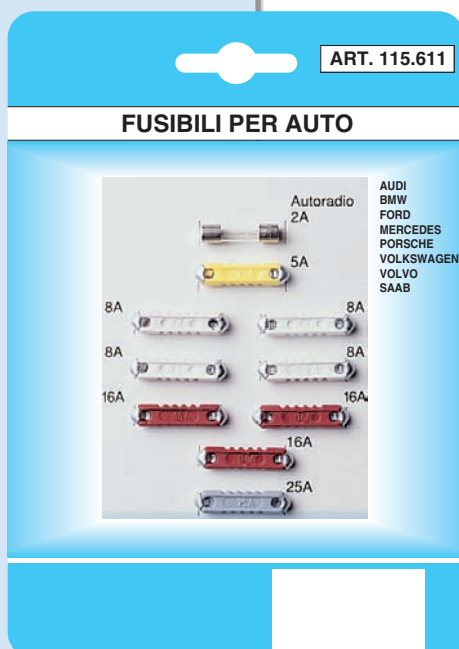
AUDI - BMW - FORD  
MERCEDES - PORSCHE  
WOLKSWAGEN - VOLVO - SAAB

ART	AMPÈRE	QUANTITÀ
	AUTORADIO 2A	1
	5 A	1
<b>115.611</b>	8 A	4
	16 A	3
	25 A	1

Kit per vetture italiane  
Kit italian cars  
Kit voitures italiennes  
Kit italienische wagen



Kit per vetture tedesche  
Kit german cars  
Kit voitures allemandes  
Kit deutsche wagen



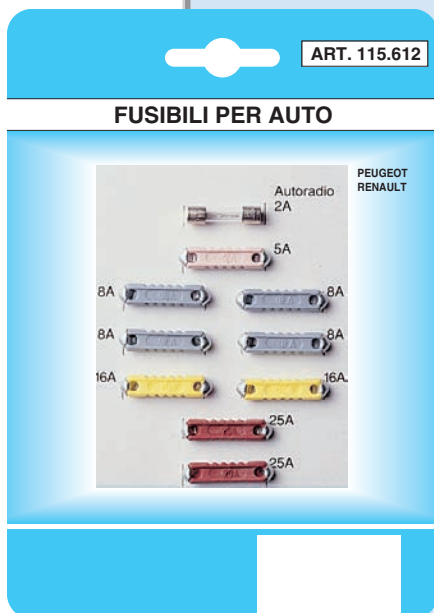
Kit per vetture francesi

Kit french cars

Kit voitures francaises

Kit französische wagen

## PEUGEOT - RENAULT



ART	AMPÈRE	QUANTITÀ
	AUTORADIO 2A	1
	5 A	1
<b>115.612</b>	8 A	4
	16 A	2
	25 A	2



# Fusibili in vetro

Glass fuses - Fusibles verres - Glass-sicherungen



5x20



6,3x32



7x32

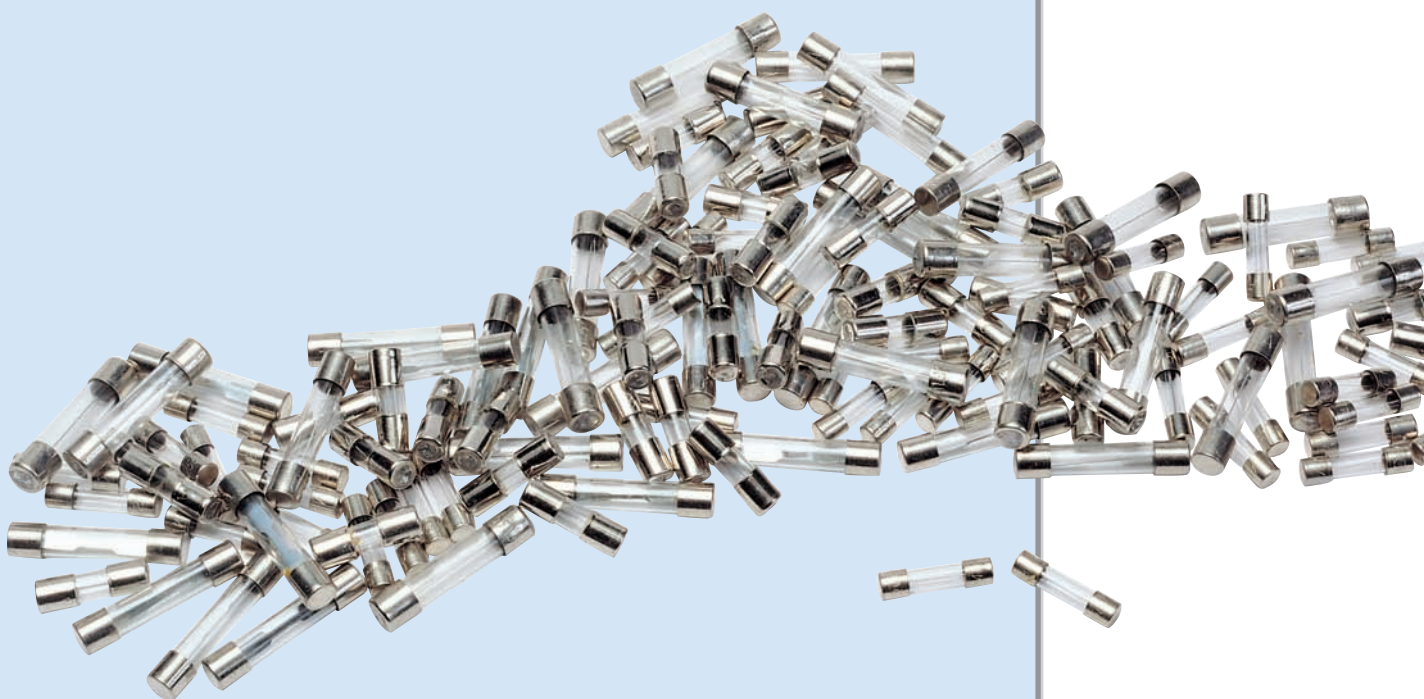
Confezione industriale  
da 1000 pezzi

Industrial box  
1000 pieces

Boite industrielle  
1000 pièces

1000 stücke  
industriepackung

ART	AMPÈRE	ART	AMPÈRE	ART	AMPÈRE
115.650	250 mA	115.661	1 A	115.670	5 A
115.651	500 mA	115.662	2 A	115.671	8 A
115.652	1 A	115.663	3 A	115.672	10 A
115.653	2 A	115.664	5 A	115.673	15 A
115.654	3 A	115.665	10 A	115.674	25 A
115.655	4 A	115.666	16 A		
115.656	5 A	115.667	20 A		
115.657	6 A	115.668	25 A		
		115.669	35 A		



Box of 50 pieces

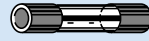
Boite de 50 pièces

Schachtel von 50 stücke

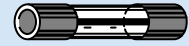
### Scatola da 50 pezzi



5x20



6,3x32



7x32

ART	AMPÈRE	ART	AMPÈRE	ART	AMPÈRE
<b>115.650.2</b>	250 mA	<b>115.661.2</b>	1 A	<b>115.670.2</b>	5 A
<b>115.651.2</b>	500 mA	<b>115.662.2</b>	2 A	<b>115.671.2</b>	8 A
<b>115.652.2</b>	1 A	<b>115.663.2</b>	3 A	<b>115.672.2</b>	10 A
<b>115.653.2</b>	2 A	<b>115.664.2</b>	5 A	<b>115.673.2</b>	15 A
<b>115.654.2</b>	3 A	<b>115.665.2</b>	10 A	<b>115.674.2</b>	25 A
<b>115.655.2</b>	4 A	<b>115.666.2</b>	16 A		
<b>115.656.2</b>	5 A	<b>115.667.2</b>	20 A		
<b>115.657.2</b>	6 A	<b>115.668.2</b>	25 A		
		<b>115.669.2</b>	35 A		



# Fusibili in vetro

Glass fuses - Fusibles verres - Glass-sicherungen

Blister da 10 pezzi

10 pieces on blister

Blister de 10 pièces

Blister von 10 stücke



5x20

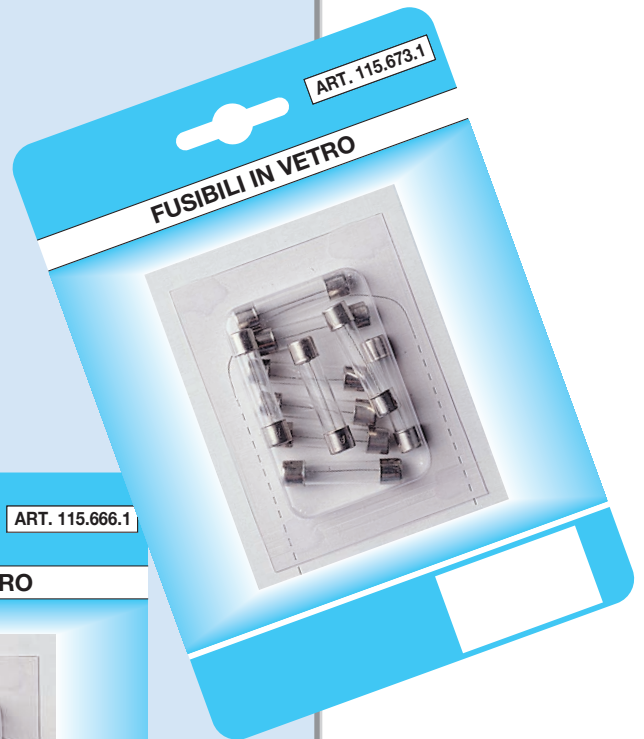


6,3x32



7x32

ART	AMPÈRE	ART	AMPÈRE	ART	AMPÈRE
115.650.1	250 mA	115.661.1	1 A	115.670.1	5 A
115.651.1	500 mA	115.662.1	2 A	115.671.1	8 A
115.652.1	1 A	115.663.1	3 A	115.672.1	10 A
115.653.1	2 A	115.664.1	5 A	115.673.1	15 A
115.654.1	3 A	115.665.1	10 A	115.674.1	25 A
115.655.1	4 A	115.666.1	16 A		
115.656.1	5 A	115.667.1	20 A		
115.657.1	6 A	115.668.1	25 A		
		115.669.1	35 A		



6 pieces on blister  
Blister de 6 pièces  
Blister von 6 stücke

### Blister da 6 pezzi

**AUSTIN - CITRÖEN - DATSUN-FIAT 242  
HONDA - JAGUAR - MAZDA - MINI  
ROVER - TOYOTA**



ART	AMPÈRE	QUANTITÀ
	AUTORADIO 2A	1
	10 A	2
<b>115.613</b>	16 A	2
	25 A	1







# Porta fusibili

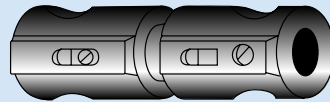
Fuse holders - Porte fusibles - Sicherungshalter

## Materiale ABS

Material ABS

Materiel ABS

Material ABS



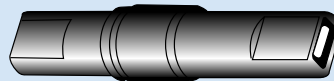
CON FUSIBILE WITH FUSE AVEC FUSIBLE MIT SICHERUNGEN	BLISTER DA 5 PEZZI 5 PIECES BLISTER BLISTER DE 5 PIÈCES BLISTER VON 5 STÜCKE	SCATOLA DA 50 PEZZI 50 PIECES BOXES BOITES DE 50 PIÈCES SCHACHTEL VON 50 STÜCKE	CONF. INDUSTRIALE DA 2.500 PEZZI 2.500 PIECES INDUSTRIAL PACKAGING CONF. INDUSTRIELLE DE 2.500 PIÈCES 2.500 STÜCKE INDUSTRIEPACKUNG
8 A	<b>115.504.1</b>	<b>115.504.2</b>	<b>115.504</b>
16 A	<b>115.505.1</b>	<b>115.505.2</b>	<b>115.505</b>
25 A	<b>115.507.1</b>	<b>115.507.2</b>	<b>115.507</b>

## Resina fenolica

Phenolic resin

Résine phénolique

Phenoplastisch harz



CON FUSIBILE WITH FUSE AVEC FUSIBLE MIT SICHERUNGEN	BLISTER DA 5 PEZZI 5 PIECES BLISTER BLISTER DE 5 PIÈCES BLISTER VON 5 STÜCKE	SCATOLA DA 50 PEZZI 50 PIECES BOXES BOITES DE 50 PIÈCES SCHACHTEL VON 50 STÜCKE	CONF. INDUSTRIALE DA 2.500 PEZZI 2.500 PIECES INDUSTRIAL PACKAGING CONF. INDUSTRIELLE DE 2.500 PIÈCES 2.500 STÜCKE INDUSTRIEPACKUNG
5 A	<b>115.511.1</b>	<b>115.511.2</b>	<b>115.511</b>
8 A	<b>115.512.1</b>	<b>115.512.2</b>	<b>115.512</b>
16 A	<b>115.513.1</b>	<b>115.513.2</b>	<b>115.513</b>

## Resina fenolica

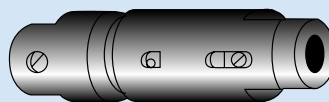
Phenolic resin

Résine phénolique

Phenoplastisch harz



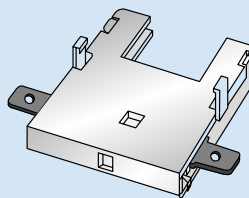
5x20



SENZA FUSIBILE WITHOUT FUSE EXTERIEUR FUSIBLE OHNE SICHERUNGEN	BLISTER DA 5 PEZZI 5 PIECES BLISTER BLISTER DE 5 PIÈCES BLISTER VON 5 STÜCKE	SCATOLA DA 50 PEZZI 50 PIECES BOXES BOITES DE 50 PIÈCES SCHACHTEL VON 50 STÜCKE	CONF. INDUSTRIALE DA 2.500 PEZZI 2.500 PIECES INDUSTRIAL PACKAGING CONF. INDUSTRIELLE DE 2.500 PIÈCES 2.500 STÜCKE INDUSTRIEPACKUNG
	<b>115.504.MSV.1</b>	<b>115.504.MSV.2</b>	<b>115.504.MSV</b>

Material nylon PA 6.6  
 Materiel nylon PA 6.6  
 Material nylon PA 6.6

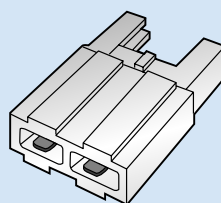
**Materiale nylon PA 6.6**



BLISTER DA 5 PEZZI 5 PIECES BLISTER BLISTER DE 5 PIÈCES BLISTER VON 5 STÜCKE	SCATOLA DA 50 PEZZI 50 PIECES BOXES BOITES DE 50 PIÈCES SCHACHTEL VON 50 STÜCKE	CONFEZIONE INDUSTRIALE DA 5.000 PEZZI 5.000 PIECES INDUSTRIAL PACKAGING CONF. INDUSTRIELLE DE 5.000 PIÈCES 5.000 STÜCKE INDUSTRIEPACKUNG
<b>115.514.1</b>	<b>115.514.2</b>	<b>115.514</b>

Material nylon PA 6.6  
 Materiel nylon PA 6.6  
 Material nylon PA 6.6

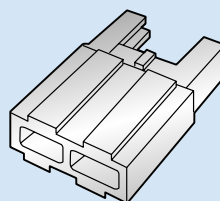
**Materiale nylon PA 6.6**



BLISTER DA 5 PEZZI 5 PIECES BLISTER BLISTER DE 5 PIÈCES BLISTER VON 5 STÜCKE	SCATOLA DA 50 PEZZI 50 PIECES BOXES BOITES DE 50 PIÈCES SCHACHTEL VON 50 STÜCKE	CONFEZIONE INDUSTRIALE DA 5.000 PEZZI 5.000 PIECES INDUSTRIAL PACKAGING CONF. INDUSTRIELLE DE 5.000 PIÈCES 5.000 STÜCKE INDUSTRIEPACKUNG
■ <b>115.515 N.1</b>	■ <b>115.515 N.2</b>	■ <b>115.515 N</b>
■ <b>115.515 R.1</b>	■ <b>115.515 R.2</b>	■ <b>115.515 R</b>
□ <b>115.515 W.1</b>	□ <b>115.515 W.2</b>	□ <b>115.515 W</b>

Material nylon PA 6.6  
 Materiel nylon PA 6.6  
 Material nylon PA 6.6

**Materiale nylon PA 6.6**

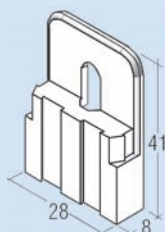


CONFEZIONE INDUSTRIALE DA 5.000 PEZZI  
 5.000 PIECES INDUSTRIAL PACKAGING  
 CONFECTION INDUSTRIELLE DE 5.000 PIÈCES  
 5.000 STÜCKE INDUSTRIEPACKUNG

- **000.515 N**
- **000.515 R**
- **000.515 W**

Material nylon PA 6.6  
 Materiel nylon PA 6.6  
 Material nylon PA 6.6

**Materiale nylon PA 6.6**



STAFFA PER PORTAFUSIBILE 2.500 PEZZI  
 2.500 PIECES FUSEHOLDER STIRRUP  
 ETRIER POUR LE PORTEFUSIBLE 5.000 PIÈCES  
 5.000 STÜCKE STEIGBUGEL FÜR SUCHERÜNGENSHALTER

- **115.525 N**
- **115.525 R**
- **115.525 W**



# Porta fusibili

Fuse holders - Porte fusibles - Sicherungshalter

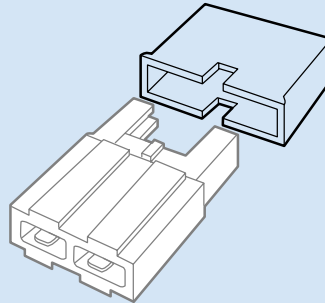
## 115.526

Coperchio protezione  
1 fusibile lamellare

Protective cover  
1 lamellar fuse

Protection pour  
1 fusibles lamellaire

Protektionkassette  
1 flachsicherung



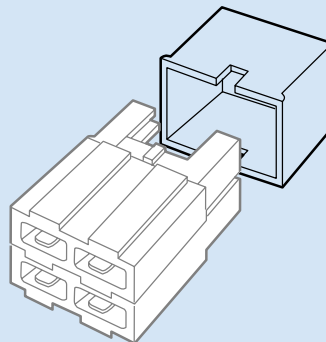
## 115.527

Coperchio protezione  
2 fusibili lamellari

Protective cover  
2 lamellars fuses

Protection pour  
2 fusibles lamellaires

Protektionkassette  
2 flachsicherungs



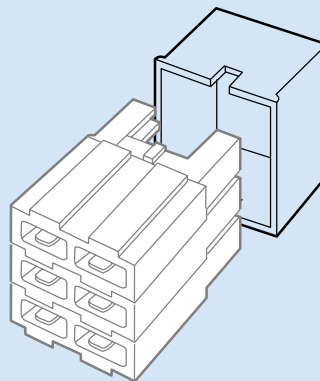
## 115.528

Coperchio protezione  
3 fusibili lamellari

Protective cover  
3 lamellars fuses

Protection pour  
3 fusibles lamellaires

Protektionkassette  
3 flachsicherungs



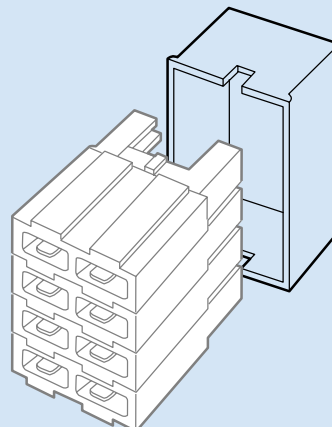
## 115.529

Coperchio protezione  
4 fusibili lamellari

Protective cover  
4 lamellars fuses

Protection pour  
4 fusibles lamellaires

Protektionkassette  
4 flachsicherungs



# Porta fusibile

Fuse holder - Porte fusible - Sicherunghalter

## Confezione industriale da 5.000 pezzi

5.000 pieces industrial packaging  
Boite industrielle de 5.000 pièces  
5.000 stücke industriepackung

## Confezione industriale da 10.000 pezzi

10.000 pieces industrial packaging  
Boite industrielle de 10.000 pièces  
10.000 stücke industriepackung

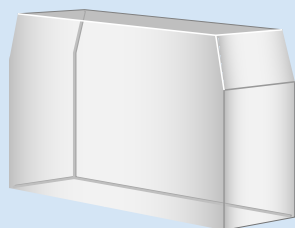
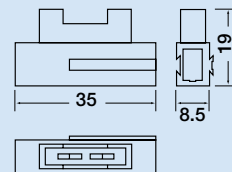
## Confezione industriale da 5.000 pezzi

5.000 pieces industrial packaging  
Boite industrielle de 5.000 pièces  
5.000 stücke industriepackung

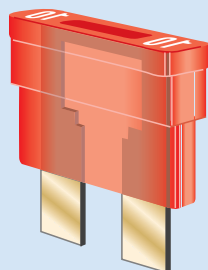
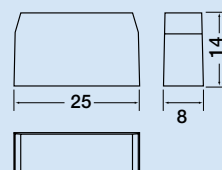
## Bobine in confezione da 5.500 pezzi

Reel in boxes of 5.500 pieces  
Bobina in boite de 5.500 pièces  
Spule von 5.500 stücke

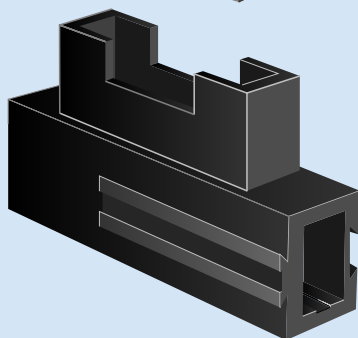
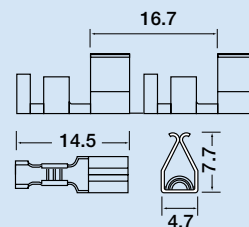
- 115.517 A
- 115.517 B
- 115.517 G
- 115.517 M
- 115.517 N
- 115.517 R
- 115.517 V
- 115.517 W



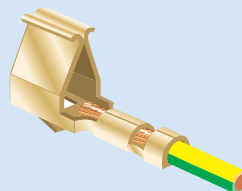
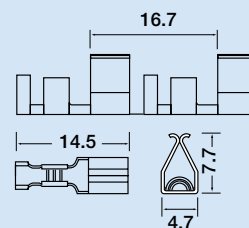
**115.539**



Tranciato singolo  
Single cutted  
Coupez simple  
Schneiden einzelnes  
**115.917**

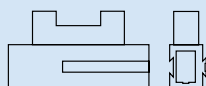


Bobina - Reel  
Bobine - Spule  
**115.917 B**

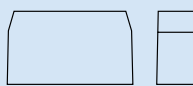


### MATERIALE - MATERIAL - MATERIEL - MATERIAL

Nylon PA 6.6



Propilene



Ottone stagnato - Tinned brass  
Laiton Etame - Konservierten messing



# Porta fusibile per circuito stampato

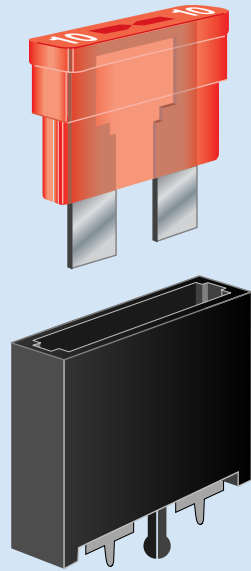
Fuse holder for moulded circuit - Porte fusible pour circuit imprimé  
Sicherung halter für schluss drucksache

Confezione industriale  
da 1.000 pezzi

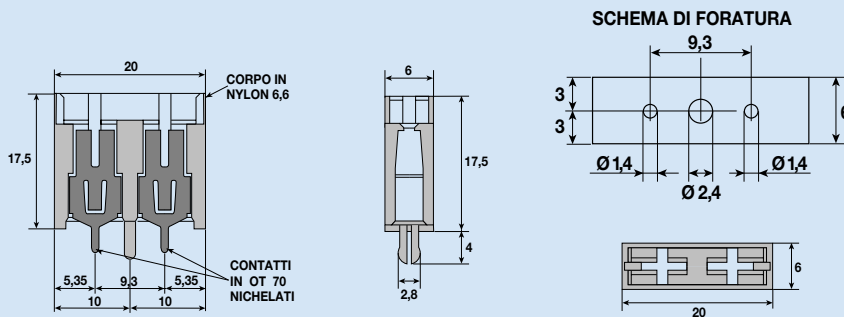
1.000 pieces  
industrial packaging

Boite industrielle  
de 1.000 pièces

1.000 stücke  
industriepackung



115.518



## MATERIALE - MATERIAL - MATERIEL - MATERIAL

Nylon PA 6.6



Ottone stagnato - Tinned brass  
Laiton Etame - Konservierten messing



# Porta fusibile

Fuse holder - Porte fusible - Sicherunghalter

## 115.540.2

### Scatola da 50 pezzi

50 pieces boxes  
Boites de 50 pièces  
Schachtel von 50 stücke

## 115.540

### Confezione industriale da 5.000 pezzi

5.000 pieces industrial packaging  
Boite industrielle de 5.000 pièces  
5.000 stücke industriepackung

### Blister da 5 pezzi

5 pieces blister  
Blister de 5 pièces  
Blister von 5 stücke

### ■ 115.519 N.1

### ■ 115.519 R.1

### □ 115.519 W.1

### Scatola da 50 pezzi

50 pieces boxes  
Boites de 50 pièces  
Schachtel von 50 stücke

### ■ 115.519 N.2

### ■ 115.519 R.2

### □ 115.519 W.2

### Confezione industriale da 5.000 pezzi

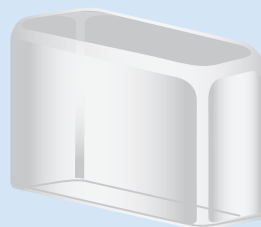
5.000 pieces industrial packaging  
Boite industrielle de 5.000 pièces  
5.000 stücke industriepackung

### ■ 115.519 N

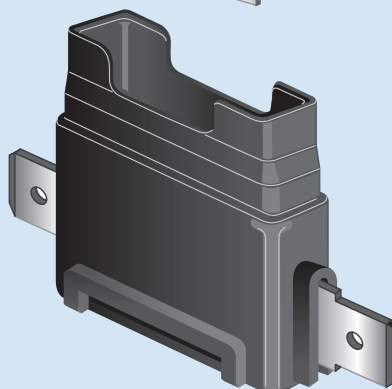
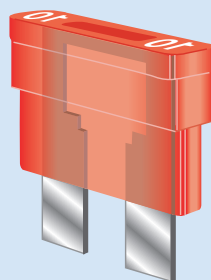
### ■ 115.519 R

### □ 115.519 W

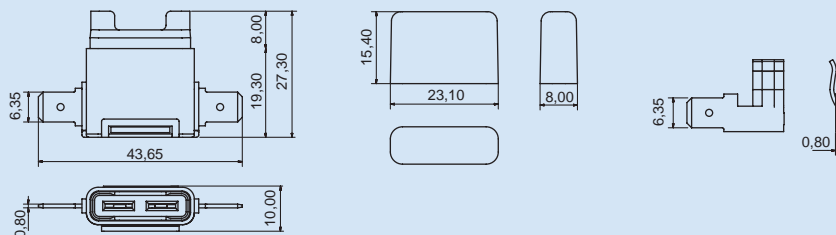
**NEW**



115.540

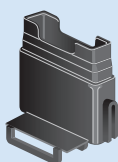


115.519

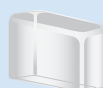


#### MATERIALE - MATERIAL - MATERIEL - MATERIAL

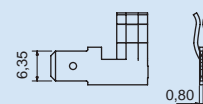
Nylon PA 6.6



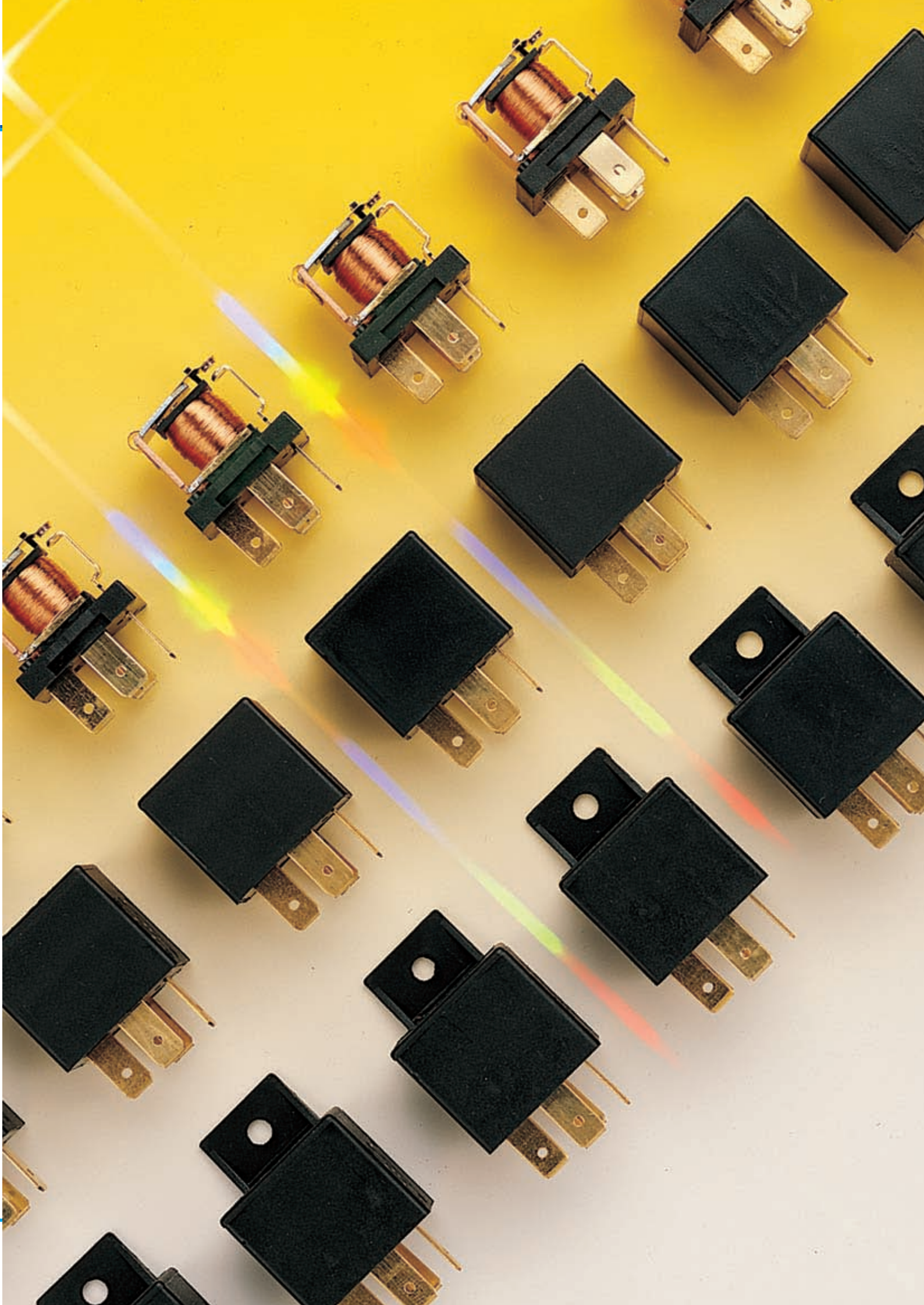
Policarbonato PC

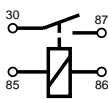
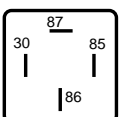
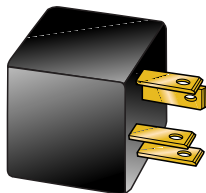
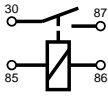
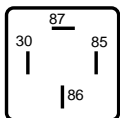
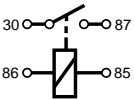
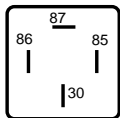
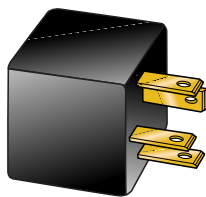
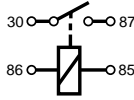
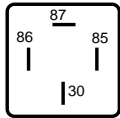


Ottone stagnato - Tinned brass  
Laiton Etame - Konservierten messing









VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.701.1</b>	<b>115.701.2</b>	<b>115.701</b>
12	40	<b>115.731.1</b>	<b>115.731.2</b>	<b>115.731</b>
24	20	<b>115.702.1</b>	<b>115.702.2</b>	<b>115.702</b>

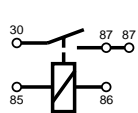
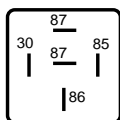
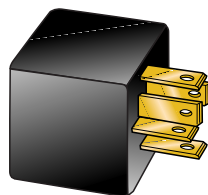
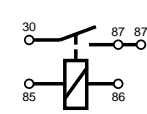
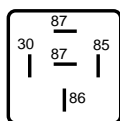
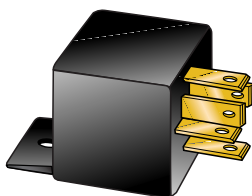
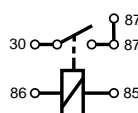
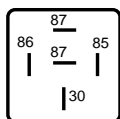
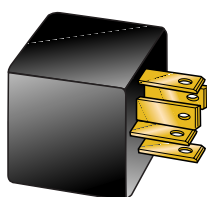
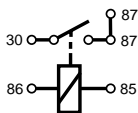
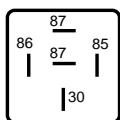
VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.704.1</b>	<b>115.704.2</b>	<b>115.704</b>
12	40	<b>115.734.1</b>	<b>115.734.2</b>	<b>115.734</b>
24	20	<b>115.705.1</b>	<b>115.705.2</b>	<b>115.705</b>

### BMW - FORD - JAGUAR - OPEL - VOLVO

VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.706.1</b>	<b>115.706.2</b>	<b>115.706</b>
12	40	<b>115.736.1</b>	<b>115.736.2</b>	<b>115.736</b>
24	20	<b>115.707.1</b>	<b>115.707.2</b>	<b>115.707</b>

### BMW - FORD - JAGUAR - OPEL - VOLVO

VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.708.1</b>	<b>115.708.2</b>	<b>115.708</b>
12	40	<b>115.738.1</b>	<b>115.738.2</b>	<b>115.738</b>
24	20	<b>115.709.1</b>	<b>115.709.2</b>	<b>115.709</b>



VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.711.1</b>	<b>115.711.2</b>	<b>115.711</b>
12	40	<b>115.741.1</b>	<b>115.741.2</b>	<b>115.741</b>
24	20	<b>115.712.1</b>	<b>115.712.2</b>	<b>115.712</b>

VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.714.1</b>	<b>115.714.2</b>	<b>115.714</b>
12	40	<b>115.744.1</b>	<b>115.744.2</b>	<b>115.744</b>
24	20	<b>115.715.1</b>	<b>115.715.2</b>	<b>115.715</b>

#### BMW - FORD - JAGUAR - OPEL - VOLVO

VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.716.1</b>	<b>115.716.2</b>	<b>115.716</b>
12	40	<b>115.746.1</b>	<b>115.746.2</b>	<b>115.746</b>
24	20	<b>115.717.1</b>	<b>115.717.2</b>	<b>115.717</b>

#### BMW - FORD - JAGUAR - OPEL - VOLVO

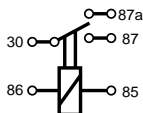
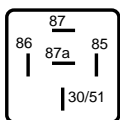
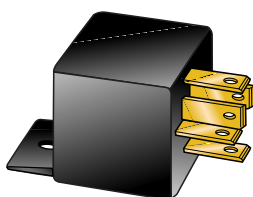
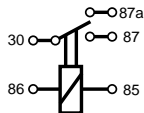
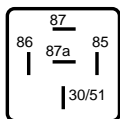
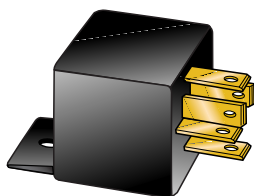
VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.718.1</b>	<b>115.718.2</b>	<b>115.718</b>
12	40	<b>115.748.1</b>	<b>115.748.2</b>	<b>115.748</b>
24	20	<b>115.719.1</b>	<b>115.719.2</b>	<b>115.719</b>



# Relais con doppio contatto

Relays double contact - Double contact de relais

Doppelter relais-kontakt



VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.721.1</b>	<b>115.721.2</b>	<b>115.721</b>
24	20	<b>115.722.1</b>	<b>115.722.2</b>	<b>115.722</b>

## BMW - FORD - JAGUAR - OPEL - VOLVO

VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	SCATOLA DA 10 PEZZI 10 PIECES BOXES BOITES DE 10 PIÈCES SCHACHTEL VON 10 STÜCKE	CONF. IND. DA 500 PEZZI IND. BOX OF 500 PIECES BOITE IND. DE 500 PIÈCES 500 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.726.1</b>	<b>115.726.2</b>	<b>115.726</b>
24	20	<b>115.727.1</b>	<b>115.727.2</b>	<b>115.727</b>

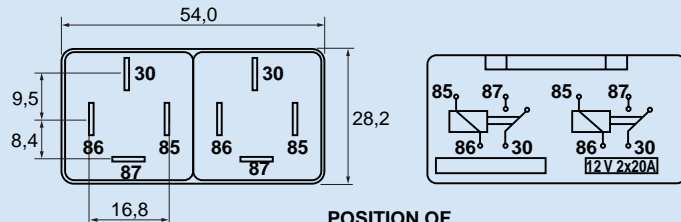
# Relays doppio normalmente aperto

Double normally open relay - Double de relais normalement ouvert

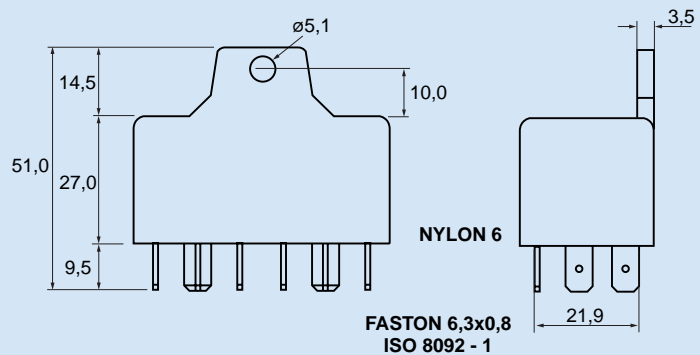
Relais-doppeltes normalerweise geöffnet



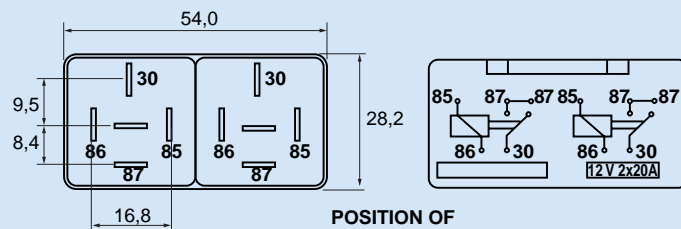
VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	CONF. IND. DA 250 PEZZI IND. BOX OF 250 PIECES BOITE IND. DE 250 PIÈCES 250 STÜCKE INDUSTRIEPACKUNG
12	30+30	<b>115.751.1</b>	<b>115.751</b>
24	20+20	<b>115.752.1</b>	<b>115.752</b>



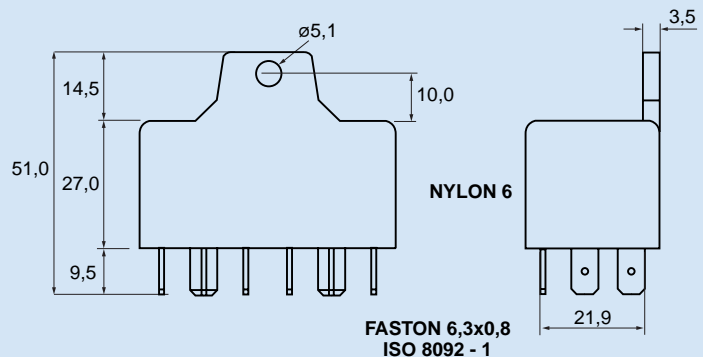
POSITION OF  
FLAT TERMINALS  
TO ISO 7588



VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	CONF. IND. DA 250 PEZZI IND. BOX OF 250 PIECES BOITE IND. DE 250 PIÈCES 250 STÜCKE INDUSTRIEPACKUNG
12	30+30	<b>115.761.1</b>	<b>115.761</b>
24	20+20	<b>115.762.1</b>	<b>115.762</b>



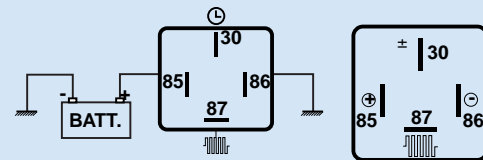
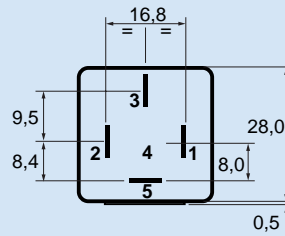
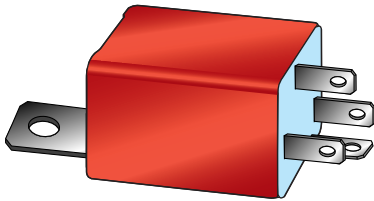
POSITION OF  
FLAT TERMINALS  
TO ISO 7588



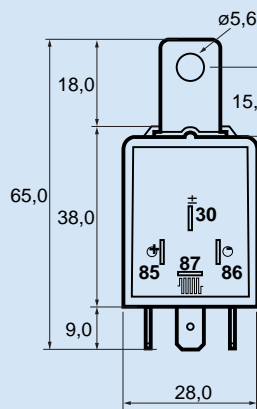
# Relais intermittenza 12V

Intermittence relays 12V - Relais intermittent 12V - Zeitweilig relais 12V

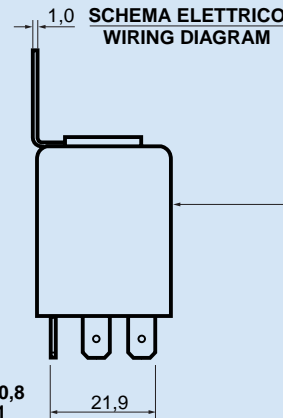
VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	CONF. IND. DA 300 PEZZI IND. BOX OF 300 PIECES BOITE IND. DE 300 PIÈCES 300 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.770.1</b>	<b>115.770</b>
24	30	<b>115.772.1</b>	<b>115.772</b>



POSITION OF  
FLAT TERMINALS  
TO ISO 7588



FASTON 6,3x0,8  
ISO 8092 - 1



SCHEMA ELETTRICO  
WIRING DIAGRAM

# Intermittenza elettronica universale

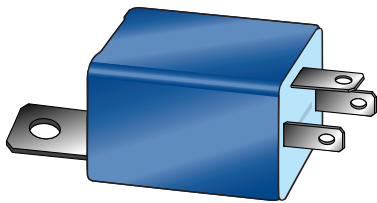
Universal electronic intermittence - Intermittent électronique universel

Zeitweilig elektronik universal

Intermittence with warning of bulb failure by increase of flashing frequency

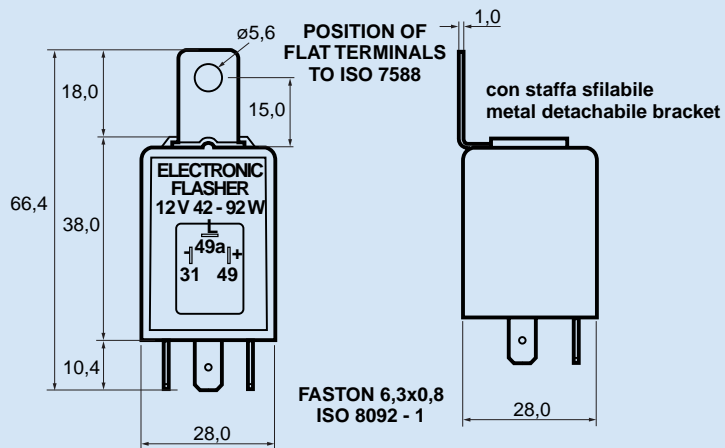
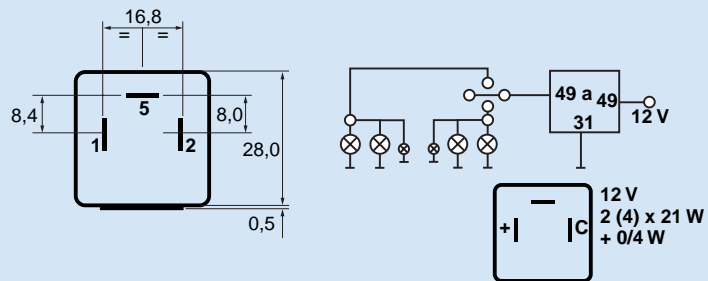
Intermittent avec avertissement de panne lampe avec élévation réelle fréquence de flasher

Zeitweilig mit warnung von lampe abgestanden mit steigerung von blinken frequenz



## Intermittenza con avvertimento di guasto lampada mediante aumento della frequenza di lampeggio

VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	CONF. IND. DA 300 PEZZI IND. BOX OF 300 PIECES BOITE IND. DE 300 PIÈCES 300 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.780.1</b>	<b>115.780</b>
24	30	<b>115.782.1</b>	<b>115.782</b>



# Intermittenza elettronica universale

Universal electronic intermittence - Intermittent électronique universel

Zeitweilig elektronik universal

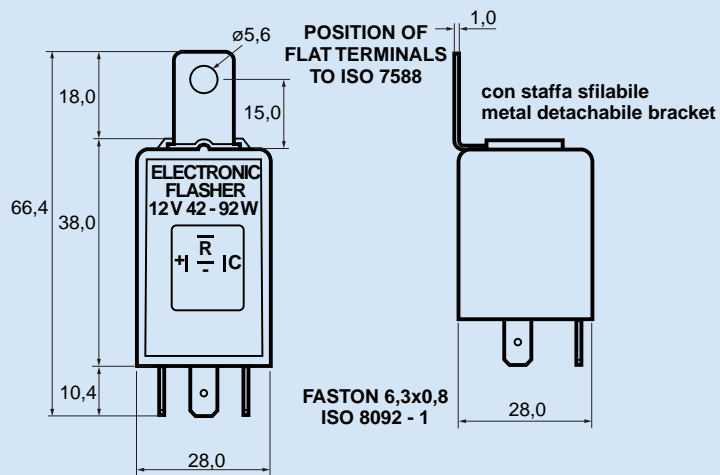
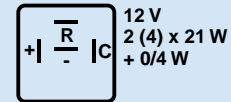
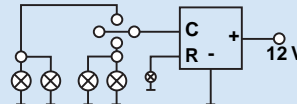
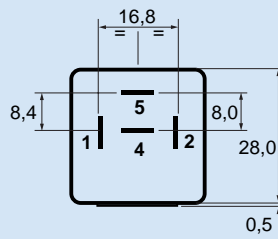
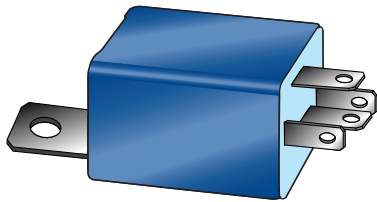
Intermittence with warning of bulb failure by increase of flashing frequency

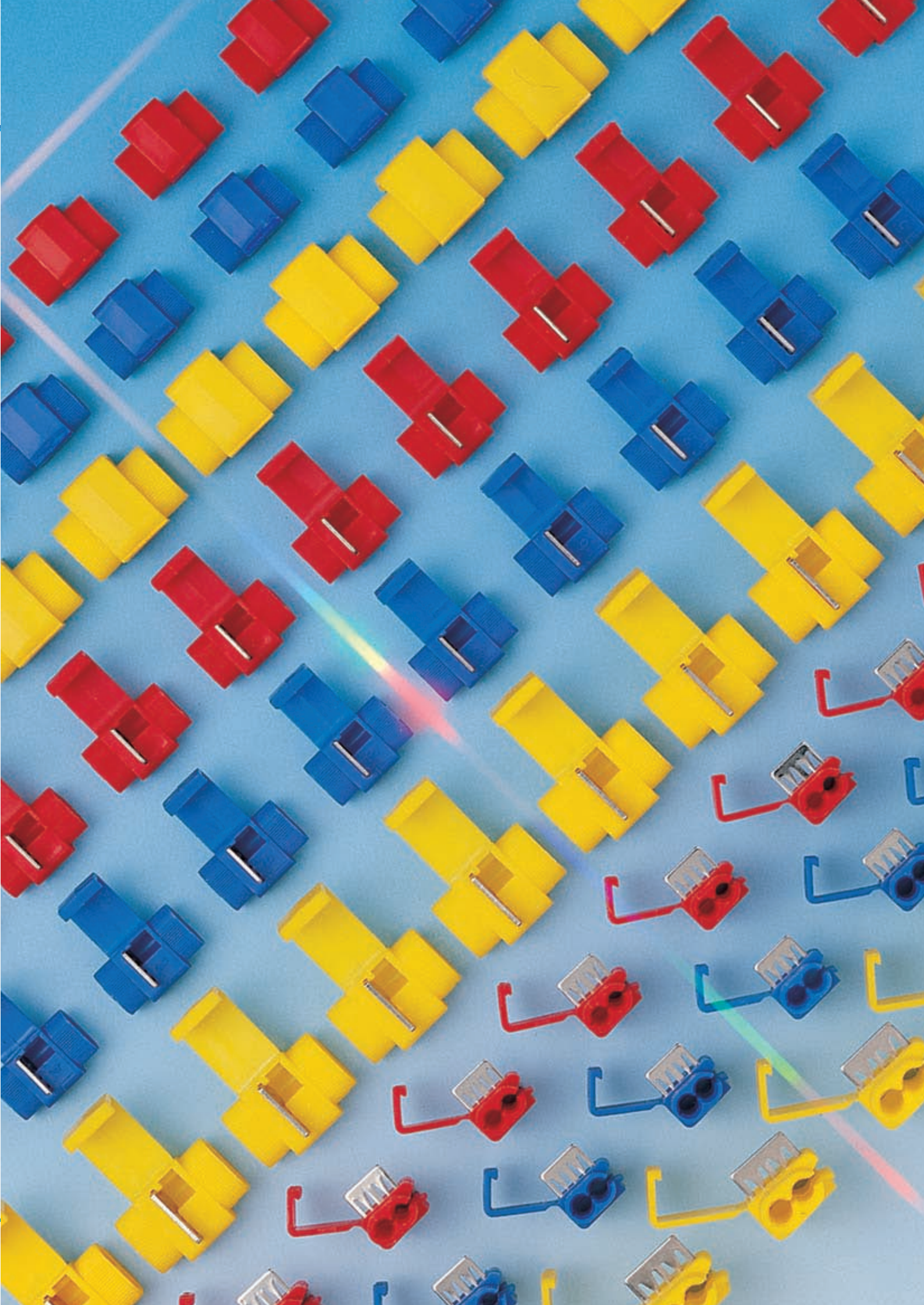
Intermittent avec avertissement de panne lampe avec élévation réelle fréquence de flasher

Zeitweilig mit warnung von lampe abgestanden mit steigerung von blinken frequenz

## Intermittenza con avvertimento di guasto lampada mediante aumento della frequenza di lampeggio

VOLT	AMPÈRE	BLISTER DA 1 PEZZO 1 PIECE BLISTER BLISTER DE 1 PIÈCE BLISTER VON 1 STÜCKE	CONF. IND. DA 300 PEZZI IND. BOX OF 300 PIECES BOITE IND. DE 300 PIÈCES 300 STÜCKE INDUSTRIEPACKUNG
12	30	<b>115.781.1</b>	<b>115.781</b>
24	30	<b>115.783.1</b>	<b>115.783</b>





# Morsetti di derivazione

Shunt cable clamps - Bornes de derivation - Abzweigverbinder

## Istruzioni per l'uso

**1** - Inserire lateralmente nel morsetto il cavo del quale si deve effettuare la derivazione.

**2** - Inserire il cavo di derivazione.

**3** - Controllare che sia posizionato in battuta oltre la piastrina di contatto.

**4** - Stringere la piastrina con una pinza in modo che le punte penetrino nei cavi e ottenere così il contatto.

**5** - Chiudere la linguetta isolante.

**1** - Plug in sideways into the clamp the cable from which the shunt is to be carried out.

**2** - Plug in the cable clamp.

**3** - Check that it is ledge positioned beyond the contact plaque.

**4** - Grip the plaque with pliers so that the points penetrate into the cables and thus make contact.

**5** - Close the insulating tang.

**1** - Insérer latéralement dans la borne le câble à partir duquel on effectue la dérivation.

**2** - Insérer le câble de dérivation.

**3** - Contrôler qu'il est positionné en arrière au-delà de la plaque de contact.

**4** - Serrer la plaque avec une pince de façon à ce que les pointes pénètrent dans les câbles et obtenir ainsi le contact.

**5** - Fermer la languette isolante.

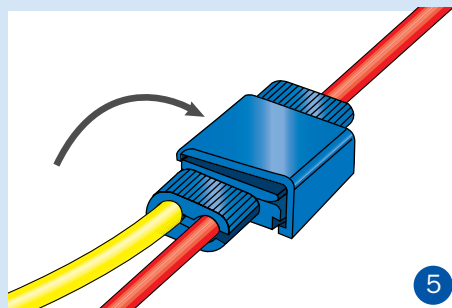
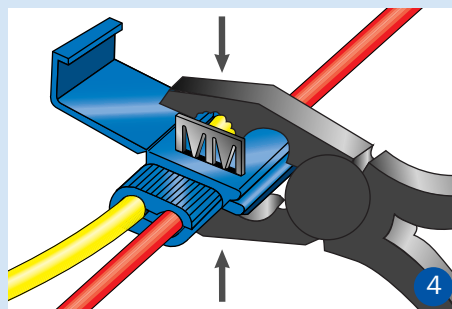
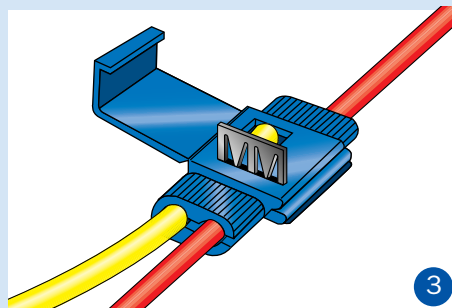
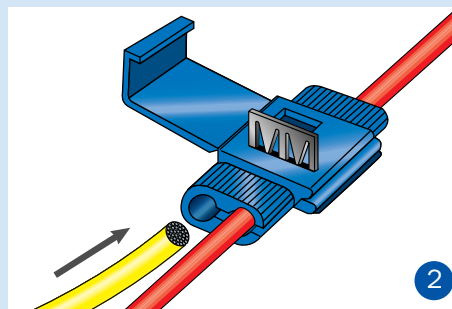
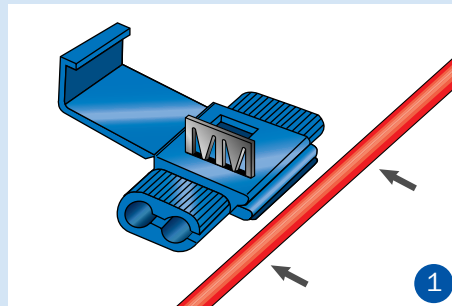
**1** - An der Seite die abzweigverbinder die Kabel einführen, von dem man die anleitung ausführen muss.

**2** - Die anleitungskabel einführen.

**3** - Kontrollieren das es an der kontakplatte, am halt positionirt ist.

**4** - Die platte zusammen pressen, so pas kontakt die kabeln einander gemacht wird.

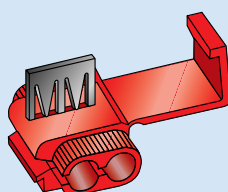
**5** - Die sicherungskassette schliesen.



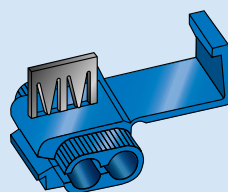
Employ instructions

Instructions pour l'utilisation

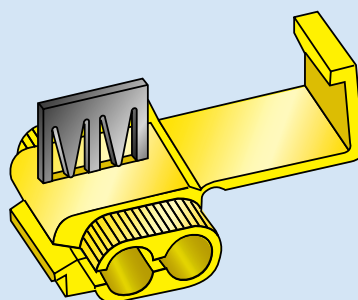
Anweisung



SEZIONE DEL CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT	BLISTER DA 10 PEZZI 10 PIECES BLISTER BLISTER DE 10 PIÈCES BLISTER VON 10 STÜCKE	SCATOLA DA 100 PEZZI 100 PIECES BOXES BOITE DE 100 PIÈCES SCHACHTEL VON 100 STÜCKE	CONF. IND. DA 10.000 PEZZI IND. BOX OF 10.000 PIECES BOITE IND. DE 10.000 PIÈCES 10.000 STÜCKE INDUSTRIEPACKUNG
mm 0.5÷0.8	115.809.1	115.809.2	115.809



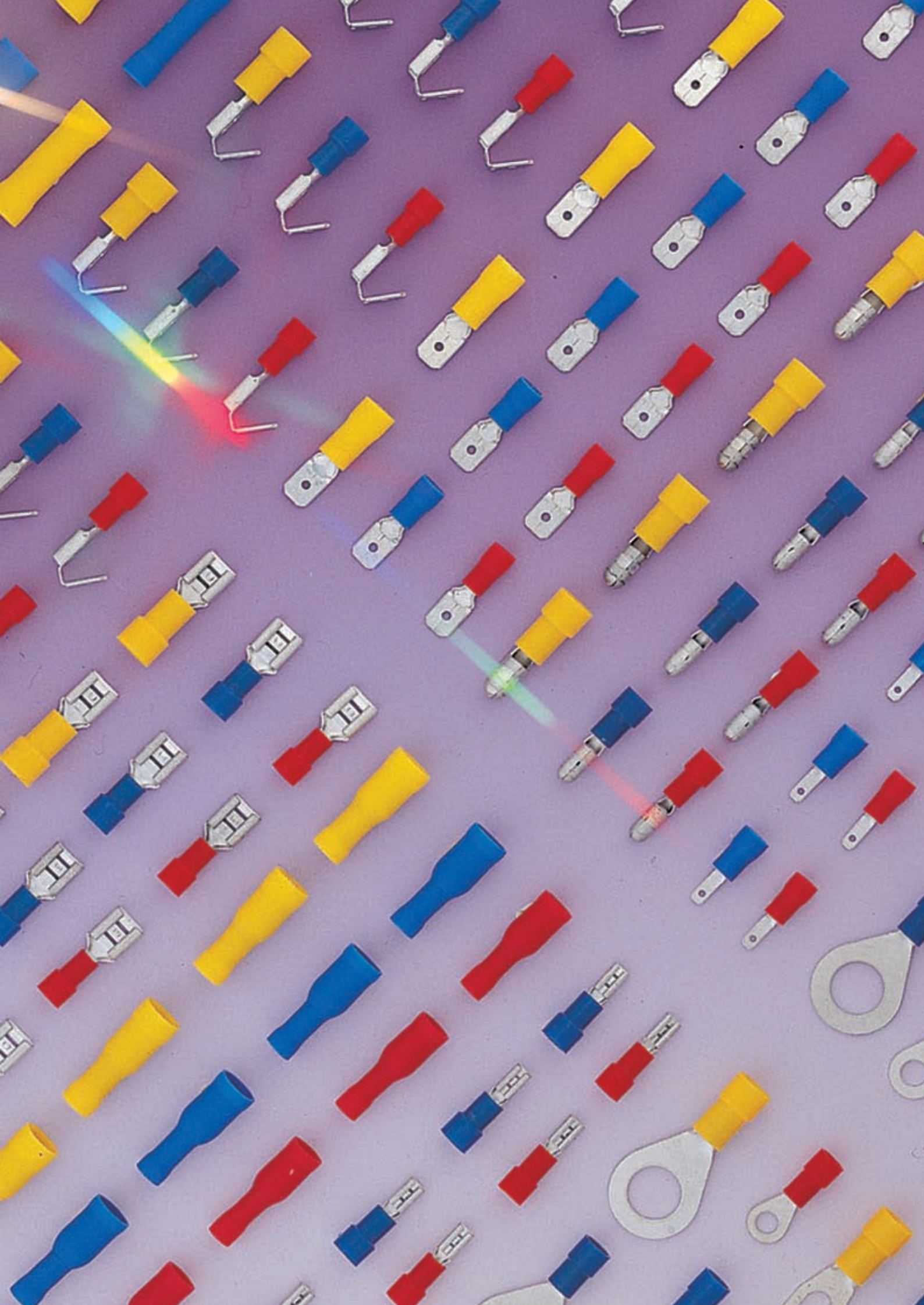
SEZIONE DEL CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT	BLISTER DA 10 PEZZI 10 PIECES BLISTER BLISTER DE 10 PIÈCES BLISTER VON 10 STÜCKE	SCATOLA DA 100 PEZZI 100 PIECES BOXES BOITE DE 100 PIÈCES SCHACHTEL VON 100 STÜCKE	CONF. IND. DA 10.000 PEZZI IND. BOX OF 10.000 PIECES BOITE IND. DE 10.000 PIÈCES 10.000 STÜCKE INDUSTRIEPACKUNG
mm 1+2.5	115.810.1	115.810.2	115.810



SEZIONE DEL CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT	BLISTER DA 10 PEZZI 10 PIECES BLISTER BLISTER DE 10 PIÈCES BLISTER VON 10 STÜCKE	SCATOLA DA 50 PEZZI 50 PIECES BOXES BOITE DE 50 PIÈCES SCHACHTEL VON 50 STÜCKE	CONF. IND. DA 10.000 PEZZI IND. BOX OF 10.000 PIECES BOITE IND. DE 10.000 PIÈCES 10.000 STÜCKE INDUSTRIEPACKUNG
mm 2.5+4	115.811.1	115.811.2	115.811





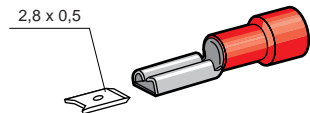
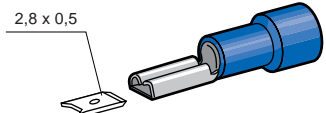
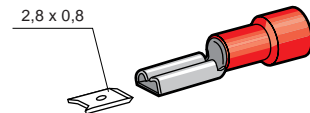
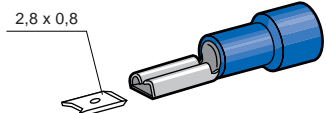
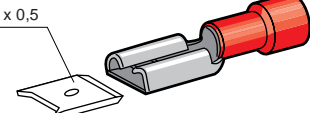
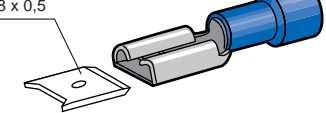


# Terminali ad innesto femmina preisolati

Insulated female terminals - Cosses clips pre-isolés

Isolierte flachsteckhülse Kabelverbinder

Underwriters  
Laboratories Inc.® 

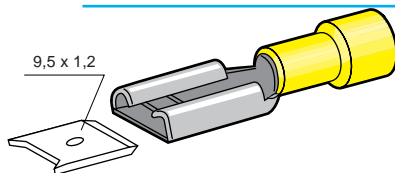
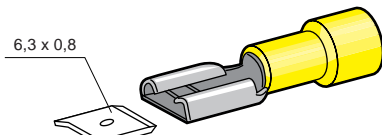
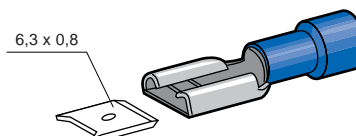
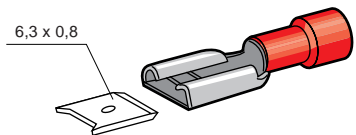
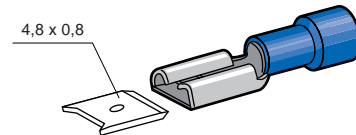
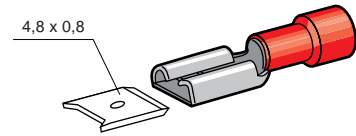
	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.5÷1	<b>117.000.2</b>	<b>117.000</b>
	mm <sup>2</sup> 1÷2.5	<b>117.001.2</b>	<b>117.001</b>
	mm <sup>2</sup> 0.25÷1	<b>117.003.2</b>	<b>117.003</b>
	mm <sup>2</sup> 1÷2.5	<b>117.004.2</b>	<b>117.004</b>
	mm <sup>2</sup> 0.25÷1	<b>117.006.2</b>	<b>117.006</b>
	mm <sup>2</sup> 1÷2.5	<b>117.007.2</b>	<b>117.007</b>

# Terminali ad innesto femmina preisolati

Insulated female terminals - Cosses clips pre-isolés

Isolierte flachsteckhülse Kabelverbinder

Underwriters  
Laboratories Inc.®



SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
mm <sup>2</sup> 0.25÷1	<b>117.009.2</b>	<b>117.009</b>
mm <sup>2</sup> 1÷2.5	<b>117.010.2</b>	<b>117.010</b>
mm <sup>2</sup> 0.25÷1	<b>117.012.2</b>	<b>117.012</b>
mm <sup>2</sup> 1÷2.5	<b>117.013.2</b>	<b>117.013</b>
mm <sup>2</sup> 2.5÷6	<b>117.014.2</b>	<b>117.014</b>
mm <sup>2</sup> 2.5÷6	<b>117.017.2</b>	<b>117.017</b>

# Terminali ad innesto femmina totalmente isolati

Fully insulated female terminals - Cosses clips totalment isolés

Vollisolierte flachsteckhülse Kabelverbinder

Underwriters  
Laboratories Inc.®



	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.018.2</b>	<b>117.018</b>
	mm <sup>2</sup> 1÷2.5	<b>117.019.2</b>	<b>117.019</b>
	mm <sup>2</sup> 0.25÷1	<b>117.021.2</b>	<b>117.021</b>
	mm <sup>2</sup> 1÷2.5	<b>117.022.2</b>	<b>117.022</b>
	mm <sup>2</sup> 0.25÷1	<b>117.024.2</b>	<b>117.024</b>
	mm <sup>2</sup> 1÷2.5	<b>117.025.2</b>	<b>117.025</b>
	mm <sup>2</sup> 2.5÷6	<b>117.026.2</b>	<b>117.026</b>






# Terminali ad innesto maschio preisolati

Insulated male terminals - Cosses languettes pre-isolés

Isolierte flachstecker Kabelverbinder

Underwriters  
Laboratories Inc.®



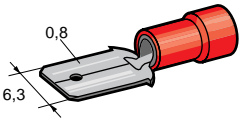
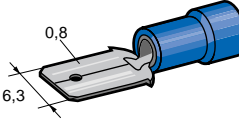
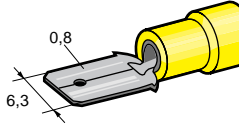
	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.050.2</b>	<b>117.050</b>
	mm <sup>2</sup> 0.25÷1	<b>117.053.2</b>	<b>117.053</b>
	mm <sup>2</sup> 1÷2.5	<b>117.054.2</b>	<b>117.054</b>
	mm <sup>2</sup> 0.25÷1	<b>117.056.2</b>	<b>117.056</b>
	mm <sup>2</sup> 1÷2.5	<b>117.057.2</b>	<b>117.057</b>

# Terminali ad innesto maschio preisolati

Insulated male terminals - Cosses languettes pre-isolés

Isolierte flachstecker Kabelverbinder

Underwriters  
Laboratories Inc.® 

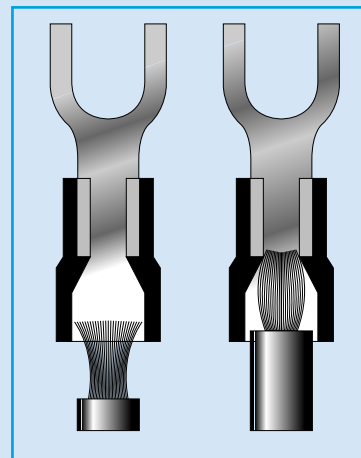
	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.059.2</b>	<b>117.059</b>
	mm <sup>2</sup> 1÷2.5	<b>117.060.2</b>	<b>117.060</b>
	mm <sup>2</sup> 2.5÷6	<b>117.061.2</b>	<b>117.061</b>

## CARATTERISTICHE DI QUALITÀ

La particolare conformazione dell'isolante, consente l'introduzione facilitata nel colletto del capicorda, facendo in modo che tutti i trefoli del conduttore penetrino completamente nel capicorda, aumentando quindi la tenuta meccanica ed assicurando un contatto ottimale. I capicorda di maggiore utilizzo vengono forniti solo nella versione ad introduzione facilitata ed a richiesta è possibile la fornitura dei medesimi nella versione standard.

## QUALITY SPECIFICATIONS

Specially conformation of insulation permit easy entry on the hole of terminal, in way that all the wires of the male can penetrate completly on terminal, with a perfect touch and optimal mechanic holding. Mostly use terminals are disponibile only on version "easy entry" and on request is possible to have itself on standard version.



## CARACTERISTIQUE DE QUALITÉ

La particuliere structure de l'isolant facilite l'introduction dans le cosse faisant que tous les fils entre completement dans le cosse, augmentant donc la capacite mēchaniquee et assurant un excellent contact. Les cosses lesplus utilisēs sont fournis seulement dans la version avec l'entrēe flacilitēe et sur demande il y a la possibilite de les avoir en version standard.

## KUALITATS AUSWEIS

Weil das Beschutzzung in sehr Bestimmter Weise Ausgefuhrt ist, Resultier das im Einer Einfache Einfuhung des Kabelshuhe, Passheisst das jeder Faser des Hitleiter ganz im den Faser geht, und damit die Mekanische entlastung erhohert und einer optimaler kontakt sichert. Die Kabelshuhe das hann am Helsten braucht, sind nur hit die Einfache einfuhung zu erholen. Wenn Mann Einer Standard Modelle Wunsch, darf Mann dieses Spezifizieren.



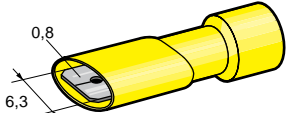
# Terminali ad innesto maschio totalmente isolati

Fully insulated male terminals - Mâle terminaux totalment isolés

Vollisolierte stecker Kabelverbinder

Underwriters  
Laboratories Inc.®



	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.062.2</b>	<b>117.062</b>
	mm <sup>2</sup> 1÷2.5	<b>117.063.2</b>	<b>117.063</b>
	mm <sup>2</sup> 2.5÷6	<b>117.064.2</b>	<b>117.064</b>

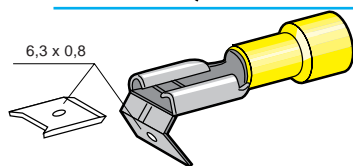
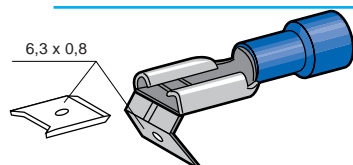
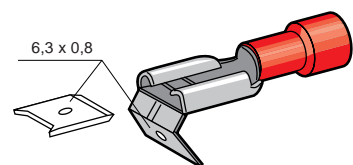


# Ripartitori (piggy back) preisolati

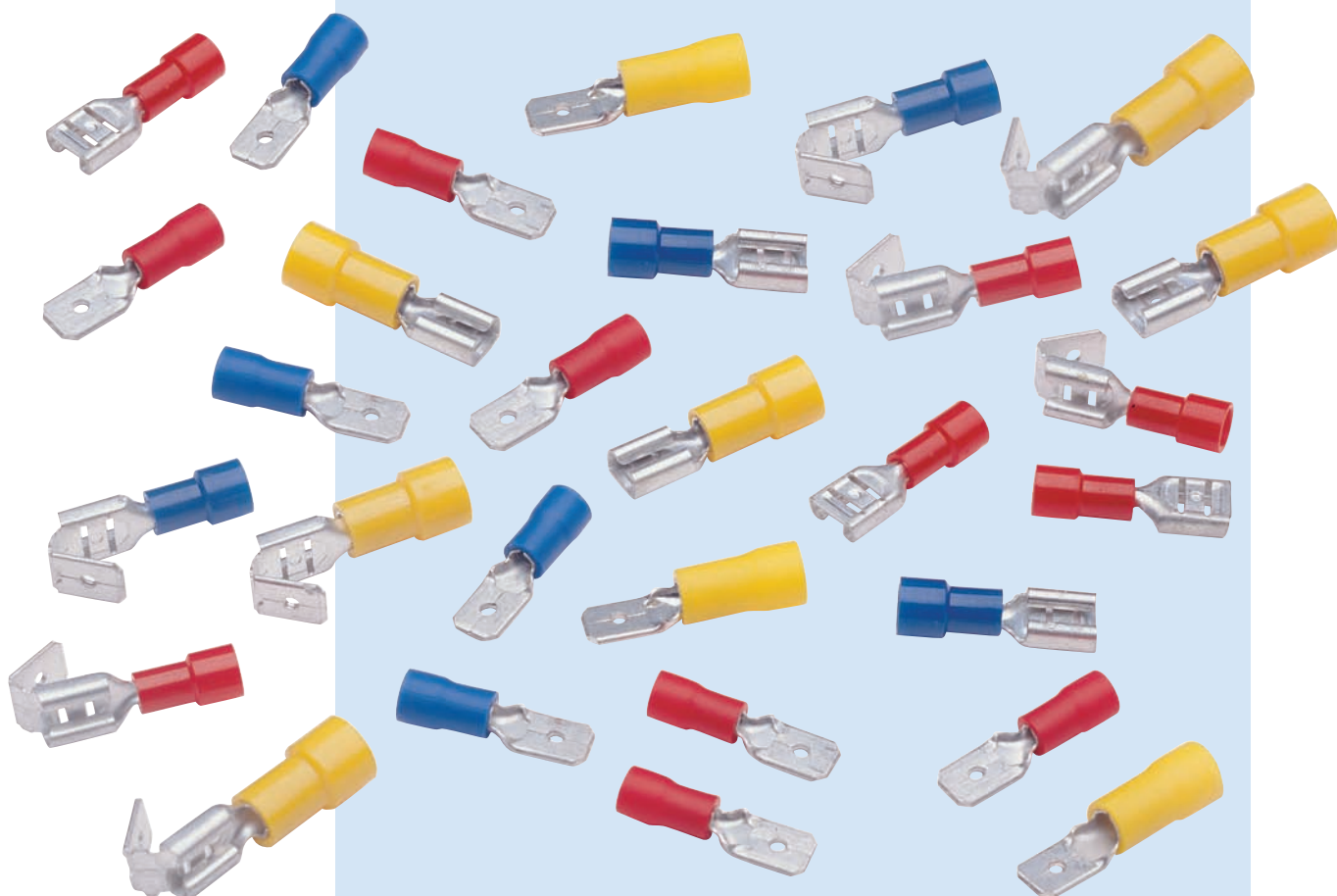
Insulated piggy back - Répartiteur (piggy back) pre-isolés

Isolierte verteilung Kabelverbinder

Underwriters  
Laboratories Inc.®



SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
mm <sup>2</sup> 0.25÷1	<b>117.065.2</b>	<b>117.065</b>
mm <sup>2</sup> 1÷2.5	<b>117.066.2</b>	<b>117.066</b>
mm <sup>2</sup> 2.5÷6	<b>117.067.2</b>	<b>117.067</b>

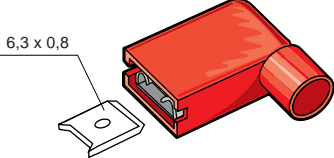
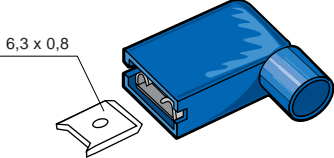
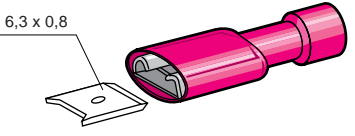

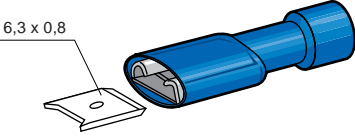

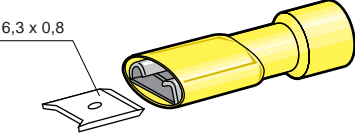



# Terminali totalmente isolati

Fully insulated terminals - Cosses languettes et clips totalment isolés  
Vollisolierte Kabelverbinder

Underwriters  
Laboratories Inc.®



	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.070.2</b>	<b>117.070</b>
	mm <sup>2</sup> 1÷2.5	<b>117.071.2</b>	<b>117.071</b>
	mm <sup>2</sup> 0.25÷1	<b>117.073.2</b>	<b>117.073</b>
	mm <sup>2</sup> 0.25÷1	<b>117.074.2</b>	<b>117.074</b>
	mm <sup>2</sup> 1÷2.5	<b>117.075.2</b>	<b>117.075</b>
	mm <sup>2</sup> 1÷2.5	<b>117.076.2</b>	<b>117.076</b>
	mm <sup>2</sup> 2.5÷6	<b>117.077.2</b>	<b>117.077</b>
	mm <sup>2</sup> 2.5÷6	<b>117.078.2</b>	<b>117.078</b>

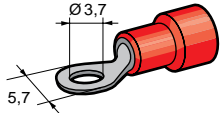
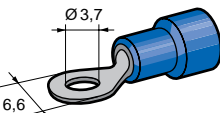
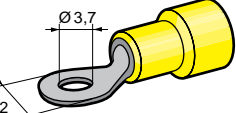
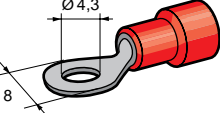
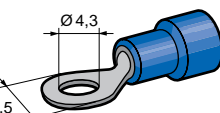
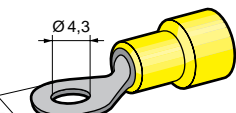
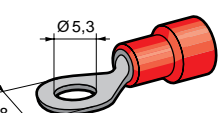
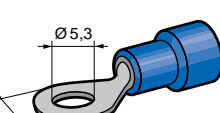
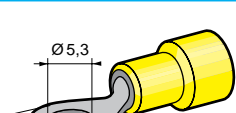
# Terminali ad occhio preisolati

Insulated ring terminals - Cosses boutonnières pre-isolés

Isolierte ring Kabelverbinder

Underwriters  
Laboratories Inc.®



	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.080.2</b>	<b>117.080</b>
	mm <sup>2</sup> 1÷2.5	<b>117.081.2</b>	<b>117.081</b>
	mm <sup>2</sup> 2.5÷6	<b>117.082.2</b>	<b>117.082</b>
	mm <sup>2</sup> 0.25÷1	<b>117.083.2</b>	<b>117.083</b>
	mm <sup>2</sup> 1÷2.5	<b>117.084.2</b>	<b>117.084</b>
	mm <sup>2</sup> 2.5÷6	<b>117.085.2</b>	<b>117.085</b>
	mm <sup>2</sup> 0.25÷1	<b>117.086.2</b>	<b>117.086</b>
	mm <sup>2</sup> 1÷2.5	<b>117.087.2</b>	<b>117.087</b>
	mm <sup>2</sup> 2.5÷6	<b>117.088.2</b>	<b>117.088</b>

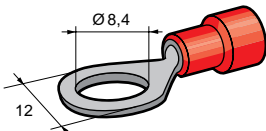
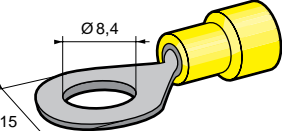
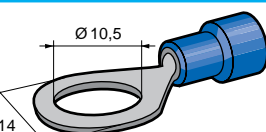
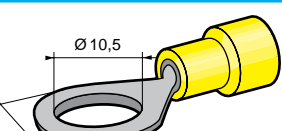
# Terminali ad occhio preisolati

Insulated ring terminals - Cosses boutonnières pre-isolés

Isolierte ring Kabelverbinder

Underwriters  
Laboratories Inc.®



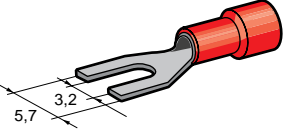
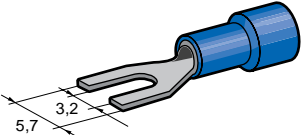
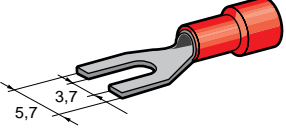
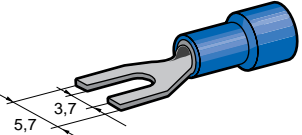
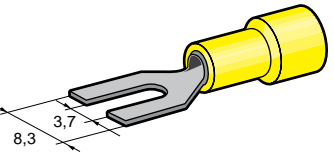
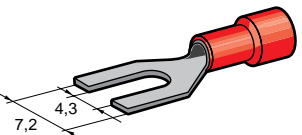
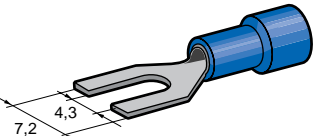
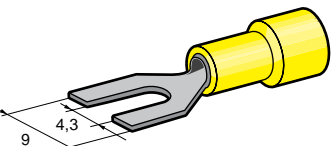
	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.089.2</b>	<b>117.089</b>
	mm <sup>2</sup> 1÷2.5	<b>117.090.2</b>	<b>117.090</b>
	mm <sup>2</sup> 2.5÷6	<b>117.091.2</b>	<b>117.091</b>
	mm <sup>2</sup> 0.25÷1	<b>117.092.2</b>	<b>117.092</b>
	mm <sup>2</sup> 1÷2.5	<b>117.093.2</b>	<b>117.093</b>
	mm <sup>2</sup> 2.5÷6	<b>117.094.2</b>	<b>117.094</b>
	mm <sup>2</sup> 0.25÷1	<b>117.095.2</b>	<b>117.095</b>
	mm <sup>2</sup> 1÷2.5	<b>117.096.2</b>	<b>117.096</b>
	mm <sup>2</sup> 2.5÷6	<b>117.097.2</b>	<b>117.097</b>

# Terminali a forcella preisolati

Insulated fork terminals - Cosses fourches pre-isolés

Isolierte gabel Kabelverbinder

Underwriters  
Laboratories Inc.® 

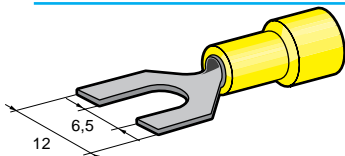
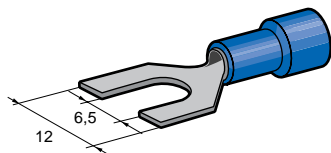
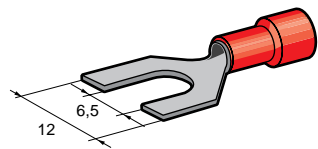
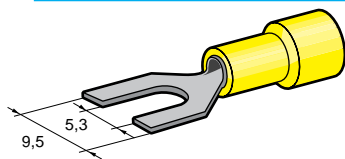
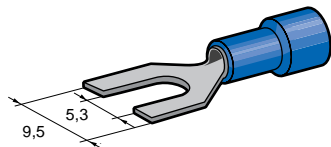
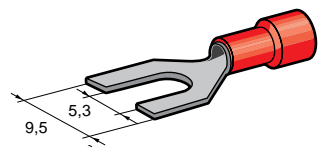
	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.100.2</b>	<b>117.100</b>
	mm <sup>2</sup> 1÷2.5	<b>117.101.2</b>	<b>117.101</b>
	mm <sup>2</sup> 0.25÷1	<b>117.103.2</b>	<b>117.103</b>
	mm <sup>2</sup> 1÷2.5	<b>117.104.2</b>	<b>117.104</b>
	mm <sup>2</sup> 2.5÷6	<b>117.105.2</b>	<b>117.105</b>
	mm <sup>2</sup> 0.25÷1	<b>117.106.2</b>	<b>117.106</b>
	mm <sup>2</sup> 1÷2.5	<b>117.107.2</b>	<b>117.107</b>
	mm <sup>2</sup> 2.5÷6	<b>117.108.2</b>	<b>117.108</b>

# Terminali a forcella preisolati

Insulated fork terminals - Cosses fourches pre-isolés

Isolierte gabel Kabelverbinder

Underwriters  
Laboratories Inc.®



SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
mm <sup>2</sup> 0.25÷1	<b>117.109.2</b>	<b>117.109</b>
mm <sup>2</sup> 1÷2.5	<b>117.110.2</b>	<b>117.110</b>
mm <sup>2</sup> 2.5÷6	<b>117.111.2</b>	<b>117.111</b>
mm <sup>2</sup> 0.25÷1	<b>117.112.2</b>	<b>117.112</b>
mm <sup>2</sup> 1÷2.5	<b>117.113.2</b>	<b>117.113</b>
mm <sup>2</sup> 2.5÷6	<b>117.114.2</b>	<b>117.114</b>




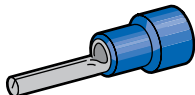
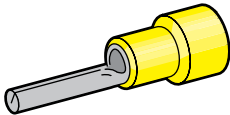
# Terminali a puntale preisolati

Insulated pin terminals - Cosses pre-isolés á goupille

Isolierte Kabelstifverbinder

Underwriters  
Laboratories Inc.®



	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.120.2</b>	<b>117.120</b>
	mm <sup>2</sup> 1÷2.5	<b>117.121.2</b>	<b>117.121</b>
	mm <sup>2</sup> 2.5÷6	<b>117.122.2</b>	<b>117.122</b>



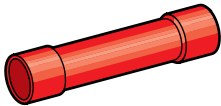
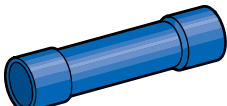
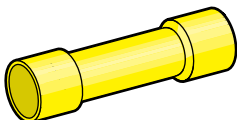
# Giunti testa - testa preisolati

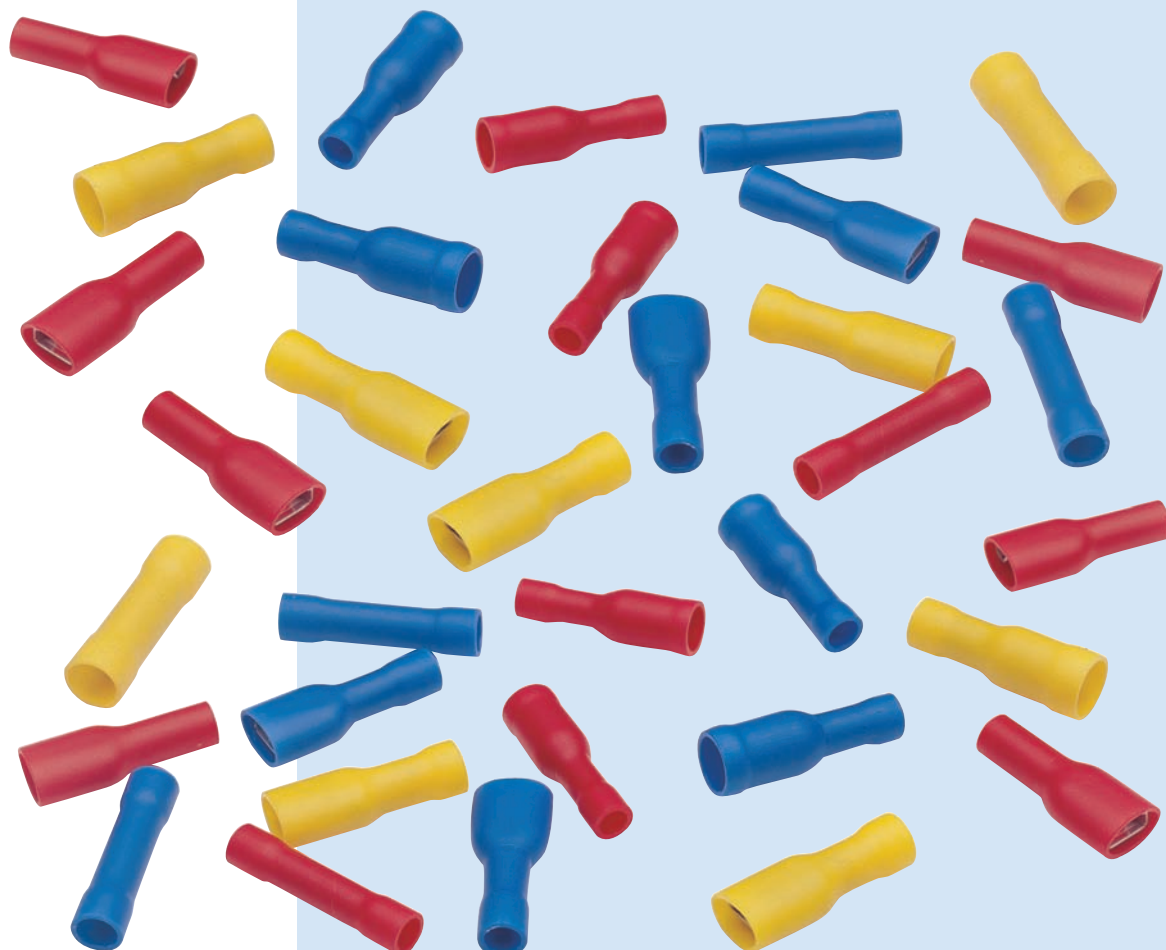
Insulated joint head to head - Joint pre-isolés bout a bout

Isolierte stobverbinder

Underwriters  
Laboratories Inc.®



	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.130.2</b>	<b>117.130</b>
	mm <sup>2</sup> 1÷2.5	<b>117.131.2</b>	<b>117.131</b>
	mm <sup>2</sup> 2.5÷6	<b>117.132.2</b>	<b>117.132</b>





# Terminali cilindrici ad innesto femmina totalmente isolati

Fully insulated cylindrical female terminals - Cosses cylindriques totalment-isolés

Vollisolierte rundstecker Kabelverbinder

Underwriters  
Laboratories Inc.® 

	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.140.2</b>	<b>117.140</b>
	mm <sup>2</sup> 1÷2.5	<b>117.141.2</b>	<b>117.141</b>
	mm <sup>2</sup> 0.25÷1	<b>117.143.2</b>	<b>117.143</b>
	mm <sup>2</sup> 1÷2.5	<b>117.144.2</b>	<b>117.144</b>
	mm <sup>2</sup> 2.5÷6	<b>117.145.2</b>	<b>117.145</b>






# Terminali cilindrici ad innesto maschio preisolati

Insulated cylindrical male terminals - Cosses languettes cylindriques pre isolés

Isolierte rundstecker Kabelverbinder

Underwriters  
Laboratories Inc.®



	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
	mm <sup>2</sup> 0.25÷1	<b>117.146.2</b>	<b>117.146</b>
	mm <sup>2</sup> 1÷2.5	<b>117.147.2</b>	<b>117.147</b>
	mm <sup>2</sup> 0.25÷1	<b>117.149.2</b>	<b>117.149</b>
	mm <sup>2</sup> 1÷2.5	<b>117.150.2</b>	<b>117.150</b>
	mm <sup>2</sup> 2.5÷6	<b>117.151.2</b>	<b>117.151</b>

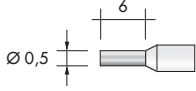
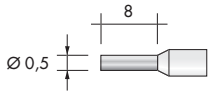
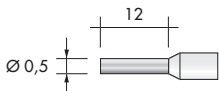
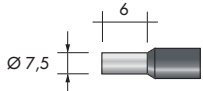
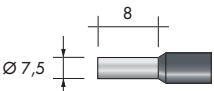
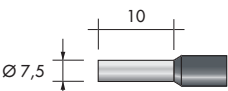
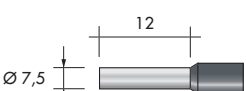
# Terminali a tubetto con collare isolato

Insulated Cord-End terminals - Cord-End terminal pre isolés

Isolierte Cord-End Kabelverbinder

**DIN 46228/4**

Underwriters  
Laboratories Inc.® 

	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS	
<b>White</b>		<b>mm<sup>2</sup> 0,25÷0,50</b>	<b>117.160.2</b>	<b>117.160</b>
		<b>mm<sup>2</sup> 0,25÷0,50</b>	<b>117.161.2</b>	<b>117.161</b>
		<b>mm<sup>2</sup> 0,25÷0,50</b>	<b>117.162.2</b>	<b>117.162</b>
<b>Grey</b>		<b>mm<sup>2</sup> 0,50÷0,75</b>	<b>117.163.2</b>	<b>117.163</b>
		<b>mm<sup>2</sup> 0,50÷0,75</b>	<b>117.164.2</b>	<b>117.164</b>
		<b>mm<sup>2</sup> 0,50÷0,75</b>	<b>117.165.2</b>	<b>117.165</b>
		<b>mm<sup>2</sup> 0,50÷0,75</b>	<b>117.166.2</b>	<b>117.166</b>

# Terminali a tubetto con collare isolato

Insulated Cord-End terminals - Cord-End terminal pre isolés

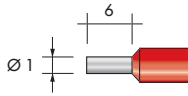
Isolierte Cord-End Kabelverbinder

**DIN 46228/4**

Underwriters  
Laboratories Inc.®



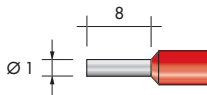
**Red**



mm<sup>2</sup> 0,75÷1

**117.167.2**

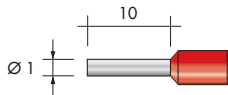
**117.167**



mm<sup>2</sup> 0,75÷1

**117.168.2**

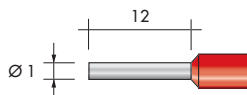
**117.168**



mm<sup>2</sup> 0,75÷1

**117.169.2**

**117.169**

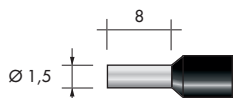


mm<sup>2</sup> 0,75÷1

**117.170.2**

**117.170**

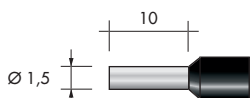
**Black**



mm<sup>2</sup> 1÷1,5

**117.171.2**

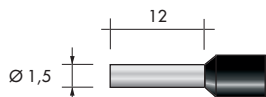
**117.171**



mm<sup>2</sup> 1÷1,5

**117.172.2**

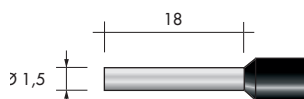
**117.172**



mm<sup>2</sup> 1÷1,5

**117.173.2**

**117.173**



mm<sup>2</sup> 1÷1,5

**117.174.2**

**117.174**

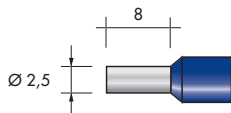
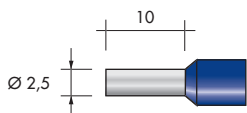
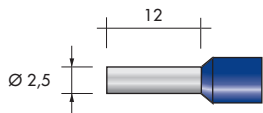
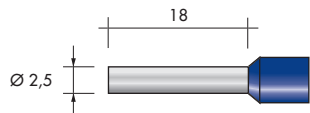
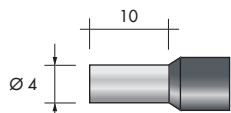
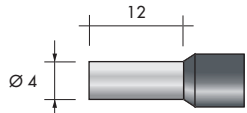
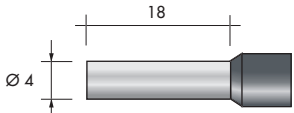
# Terminali a tubetto con collare isolato

Insulated Cord-End terminals - Cord-End terminal pre isolés

Isolierte Cord-End Kabelverbinder

**DIN 46228/4**

Underwriters  
Laboratories Inc.® 

	SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS	
<b>Blue</b> 	mm <sup>2</sup> 1,5÷2	<b>117.175.2</b>	<b>117.175</b>	
		mm <sup>2</sup> 1,5÷2	<b>117.176.2</b>	<b>117.176</b>
		mm <sup>2</sup> 1,5÷2	<b>117.177.2</b>	<b>117.177</b>
		mm <sup>2</sup> 1,5÷2	<b>117.178.2</b>	<b>117.178</b>
<b>Grey</b> 	mm <sup>2</sup> 2÷2,5	<b>117.179.2</b>	<b>117.179</b>	
		mm <sup>2</sup> 2÷2,5	<b>117.180.2</b>	<b>117.180</b>
		mm <sup>2</sup> 2÷2,5	<b>117.181.2</b>	<b>117.181</b>

# Terminali a tubetto con collare isolato

Insulated Cord-End terminals - Cord-End terminal pre isolés

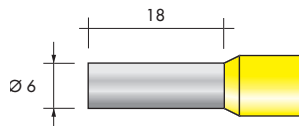
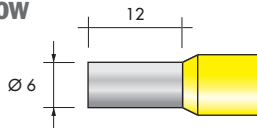
Isolierte Cord-End Kabelverbinder

**DIN 46228/4**

Underwriters  
Laboratories Inc.®



Yellow



SEZIONE CAVO CABLE SECTION SECTION CABLE KABELQUERSCHNITT Ø	SCATOLA BOX BOITE SCHACHTEL 100 PCS	CONFEZIONE INDUSTRIALE INDUSTRIAL PACKAGING CONFECTION INDUSTRIELLE INDUSTRIEVERPACKUNG 1.000 PCS
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mm<sup>2</sup> 2,5÷4

**117.182.2**

**117.182**

mm<sup>2</sup> 2,5÷4

**117.183.2**

**117.183**

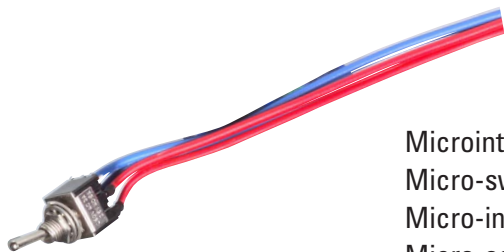






# Accessori per allarmi

Alarms accessories - Accessoires pour alarmes - Zusatzgeräte für warnungen



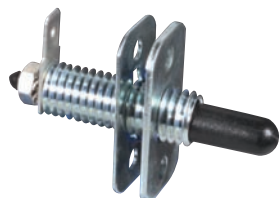
**215.000**

Microinterruttore a levetta con 4 fili  
Micro-switch with lever 4 cables  
Micro-interrupteur avec levier 4 fils de sortie  
Micro-schalter mit hebel 4 kabel



Porta led con led lampeggiante **215.001**  
Led gate with flashing led  
Port led avec led flasher  
Led holter mit led blitzen

Porta led con led non lampeggiante **215.002**  
Led gate with led not flashing  
Port led avec led no flasher  
Led holter mit led nicht blitzen



**215.003**

Pulsante cofano regolabile mm 14  
Bonnet push button regulable mm 14  
Bouton puor capot avec règlement mm 14  
Verstellbaren taste für haube mm 14

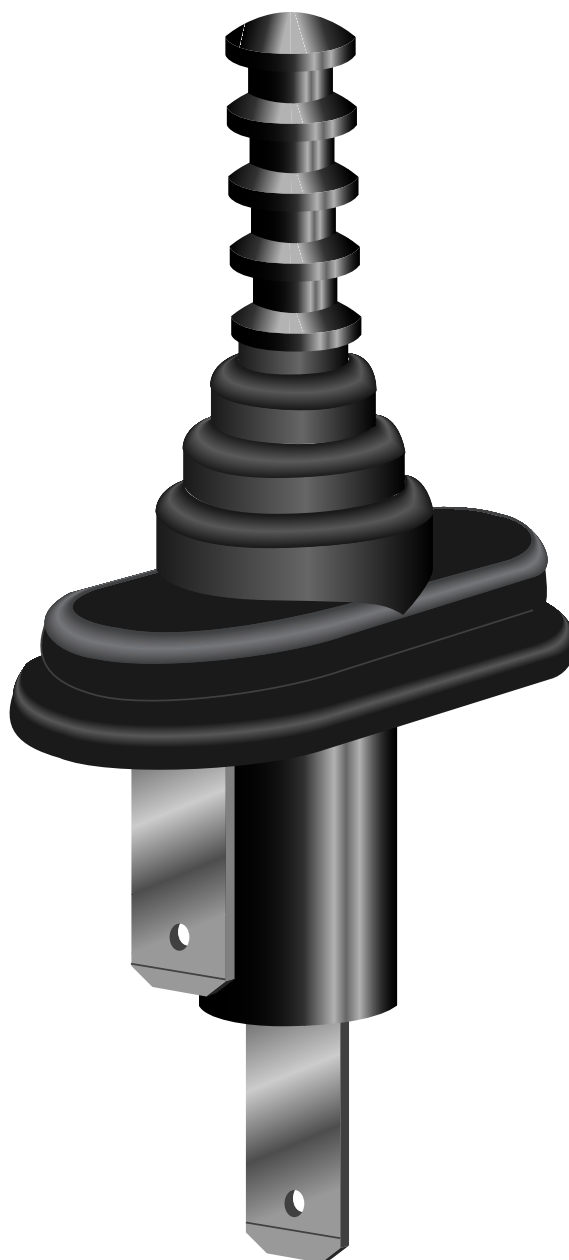


**215.004**

Pulsante cofano regolabile mm 8  
Bonnet push button regulable mm 8  
Bouton puor capot avec règlement mm 8  
Verstellbaren taste für haube mm 8

## Pulsante per cofano

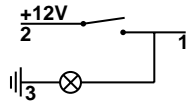
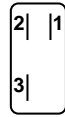
Bonnet push button - Bouton pour capot - Drucktaste für haube



215.005

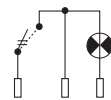
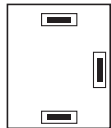
# Interruttori luminosi

Light switches - Interrupteur lumineux - Hellen schalter



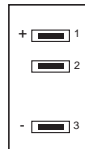
Interruttore a leva con lampada da 12V  
Light switch with lever lamp 12V  
Interrupteur avec levier et lampe 12V  
Hellen schalter mit hebel ganz lampe 12V

- **101.100**
- **101.200**
- **101.300**
- **101.400**
- **101.500**



Interruttore a tretto senza lampada  
Switch with hard knurl without lamp  
Interrupteur avec bouton rigide sans lampe  
Schalter mit steife taste ohne lampe

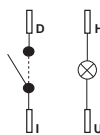
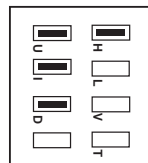
- **102.100**
- **102.200**
- **102.300**



Interruttore a tasto con lampada a 12V  
Taste switch with lamp 12V  
Bouton interrupteur avec lampe de 12V  
Taste schalter mit lampe 12V

- **103.200**
- **103.300**
- **103.400**

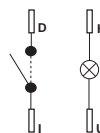
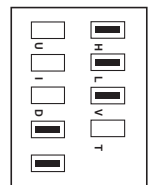
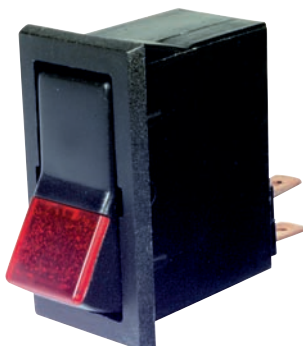
Adattabile: Alfa Romeo e vetture francesi



Interruttore a tasto con lampada a 12V  
Taste switch with lamp 12V  
Bouton interrupteur avec lampe de 12V  
Taste schalter mit lampe 12V

- **104.105**
- **104.205**
- **104.305**
- **104.405**

Adattabile: Autobianchi FIAT




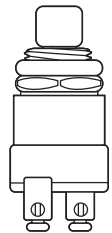


Interruttore a tasto con lampada a 12V  
Taste switch with lamp 12V  
Bouton interrupteur avec lampe de 12V  
Taste schalter mit lampe 12V

- **104.115**
- **104.215**
- **104.315**


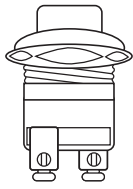


Adattabile: FIAT - 127 Diesel  
147 - Rustica - Fiorino

# Interruttori a pulsante


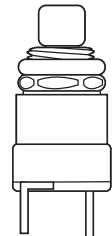


Push-button - Bouton - Drucktaste





Pulsante avviamento **105.000 N**  
Starting switch  
Bouton demarrer  
Anlasser drucktaste


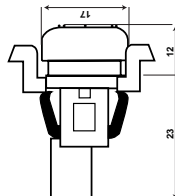
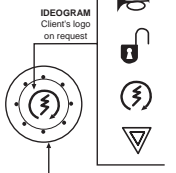
Pulsante avviamento **105.001 N**  
Starting switch  
Bouton demarrer  
Anlasser drucktaste

Pulsante avviamento **105.002 N**  
Starting switch  
Bouton demarrer  
Anlasser drucktaste

Pulsante avviamento **105.003 N**  
Starting switch  
Bouton demarrer  
Anlasser drucktaste

IDEOGRAM  
Client's logo  
on request

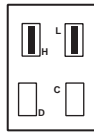
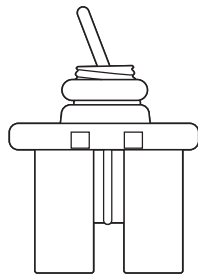
AVAILABLE IN:  
DISPONIBILE IN:

RED  
GREEN  
ORANGE  
YELLOW  
BLACK  
BLUE  
WHITE

Pulsante **105.004**  
Push - button **105.005**  
Bouton **105.006**  
Drucktaste **105.007**  
**105.008**  
**105.009**

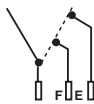
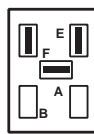
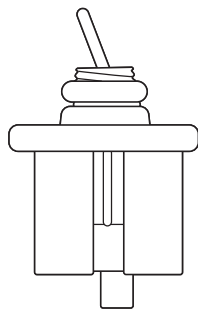
# Interruttori a leva

Lever switch  
 Interrupteurs avec levier  
 Schalter mit hebel



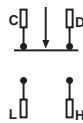
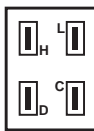
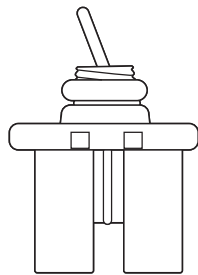
**106.000**

2 posizioni



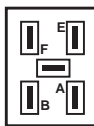
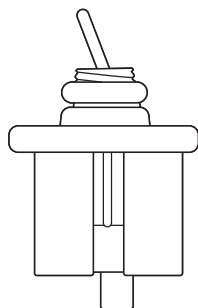
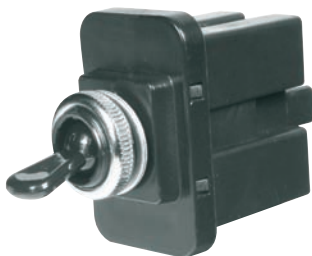
**106.001**

2 posizioni



**106.002**

2 posizioni

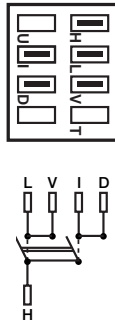


**106.003**

2 posizioni

# Interruttori luci esterne applicazione Fiat

External lights switches application Fiat  
Lumières externe interrupteur application Fiat  
Lichter äußere schalter anwendung Fiat

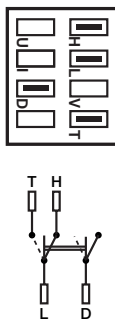


**405.502**

**2 posizioni**

Fiat127 1ªserie / Fiat128 1ªserie

Rif. orig. 4158347

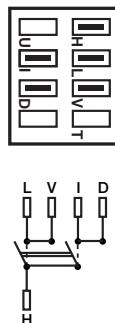


**405.507**

**3 posizioni**

Fiat128 Special / Fiat131 / Fiat132

Rif. orig. 4359413

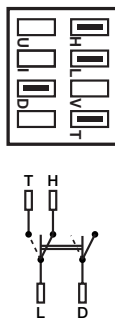


**405.508**

**2 posizioni**

Fiat126 Personal

Rif. orig. 4396582



**3 posizioni**

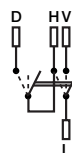
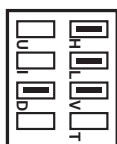
**405.509**

Fiat127 L-C-CL  
Fiat128 2ª serie / 128 C-CL / 128 3P  
Fiat 131 Mirafiori / Fam / Special  
131 Mirafiori Special Fam.  
131 L Mirafiori / Diesel 2000L  
131 L Panorama / Fiat 132 2000

Rif. orig. 4393986

# Interruttori luci esterne applicazione Fiat

External lights switches application Fiat  
 Lumières externe interrupteur application Fiat  
 Lichter äußere schalter anwendung Fiat

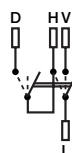
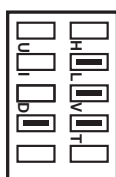


**405.510**

**3 posizioni**

Fiat127 L-C-CL  
 Fiat128 2<sup>a</sup> serie / 128 C-CL / 128 3P  
 Fiat 131 Mirafiori / Fam / Special  
 131 Mirafiori Special Fam.  
 131 L Mirafiori / Diesel 2000L  
 131 L Panorama / Fiat 132 2000

Rif. orig. 4393988

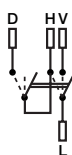
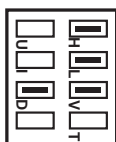


**405.525**

**3 posizioni**

Fiat 147 / 127 Diesel

Rif. orig. 4448465

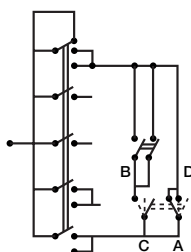
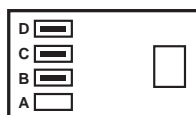
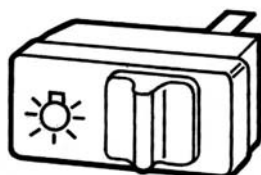


**405.526**

**3 posizioni**

Fiat 127 Super 3<sup>a</sup> serie

Rif. orig. 5339486



**405.529**

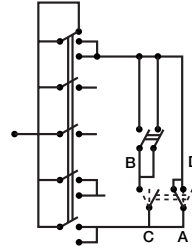
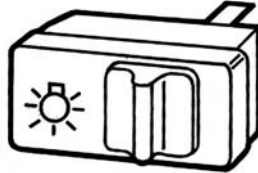
**3 posizioni**

Nuova Fiat Ritmo 83

Rif. orig. 5953692

# Interruttori luci esterne applicazione Fiat

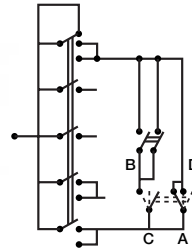
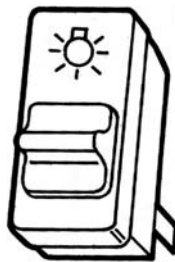
External lights switches application Fiat  
Lumières externe interrupteur application Fiat  
Lichter äußere schalter anwendung Fiat



**405.530**

**3 posizioni**  
Fiat Nuova Ritmo 6/1985

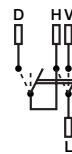
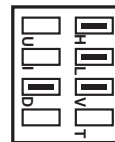
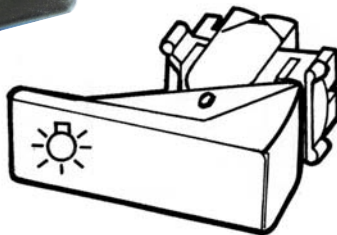
Rif. orig. 180748680



**405.531**

**3 posizioni**  
Fiat panda Super Nova 1/1986  
Fiat Panda 4x4 1/1986

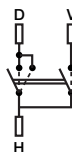
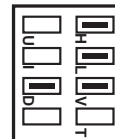
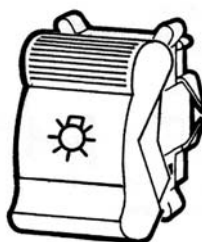
Rif. orig. 7550639



**405.532**

**3 posizioni**  
Fiat 126 FSM / 126 Bis

Rif. orig. 7535295



**405.533**

**3 posizioni**  
Fiat 500

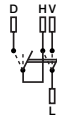
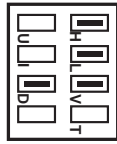
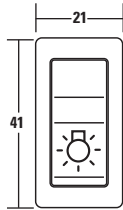
Rif. orig. 181392280



# Interruttori applicazione Fiat

Switches application Fiat  
Interrupteur application Fiat  
Schalter anwendung Fiat

Dim. foro pannello 19x38

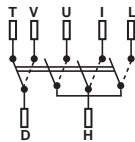
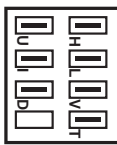
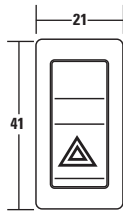


■ **405.516**  
■ **405.916**

Interruttori luci esterne 3 posizioni  
External lights switches 3 positions  
Lumières externe interrupteur 3 positions  
Lichter äußere schalter 3 stellungen

Fiat Panda

Dim. foro pannello 19x38

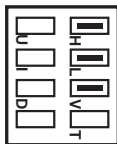
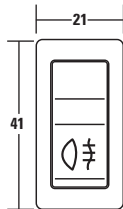


■ **407.505**  
■ **407.905**

Interruttori luci emergenza 2 posizioni  
Emergency lights switches 2 positions  
Interrupteur de urgence 2 positions  
Dringlichkeit schalter 2 stellungen

Fiat Panda

Dim. foro pannello 19x38

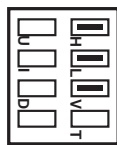
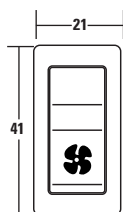


■ **409.503**  
■ **409.903**

Interruttori luci retronebbia 2 posizioni  
Back-fog lights switches 2 positions  
Interrupteurs postérieur pour  
le brouillard 2 positions  
Rückseite-nebel schalter 2 stellungen

Fiat Panda

Dim. foro pannello 19x38



■ **411.503**  
■ **411.903**

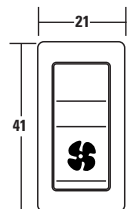
Interruttori elettroventilatore 2 posizioni  
Electric-ventilator switches 2 positions  
Interrupteur électrique ventilateur 2 positions  
Elektrisch-belüfter schalter 2 stellungen

Fiat Panda

# Interruttori applicazione Fiat

Switches application Fiat  
Interrupteur application Fiat  
Schalter anwendung Fiat

Dim. foro pannello 19x38

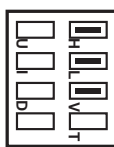
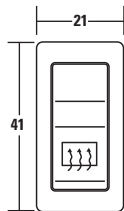


■ **411.504**  
■ **411.904**

Interruttori elettroventilatore 3 posizioni  
Electric-ventilator switches 3 positions  
Interrupteur électrique ventilateur 3 positions  
Elektrisch-belüfter schalter 3 stellungen

Fiat Panda

Dim. foro pannello 19x38

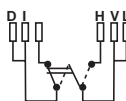
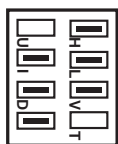
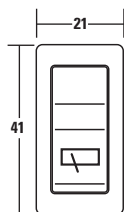


■ **412.506**  
■ **412.906**

Interruttori lunotto termico 2 posizioni  
Thermic rear-windows switches 2 positions  
Interrupteurs pour verre dernier thermique 2 positions  
Therminal heckschibe schalter 2 stellungen

Fiat Panda

Dim. foro pannello 19x38

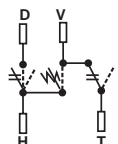
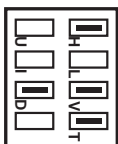
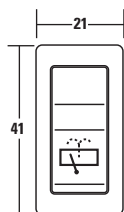


■ **413.504**  
■ **413.904**

Interruttori tergilunotto 2 posizioni  
Cleaning rear-windows switches 2 positions  
Interrupteurs pour proprete verre dernier 2 positions  
Reinigung heckschibe schalter 2 stellungen

Fiat Panda

Dim. foro pannello 19x38



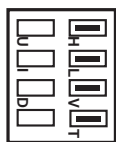
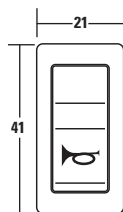
■ **413.511**  
■ **413.911**

Interruttori tergilavalunotto 3 posizioni  
Cleaning washing rear windows switches 3 positions  
Interrupteurs pour propretè-lavage verre dernier 3 positions  
Reinigung-washung heckschibe schalter 3 stellungen

Fiat Panda

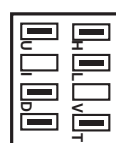
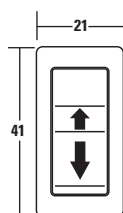
# Interruttori

Switches - Interrupteurs - Schalter



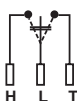
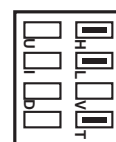
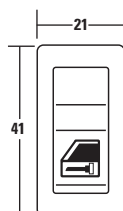
■ **414.500**  
■ **414.900**

Deviatori - Comandi ausiliari 2 posizioni  
Shunters-auxiliar commands Two positions  
Dérivateurs-commandes auxiliaire Deux positions  
Shunthers-auxiliar kontrollen Zwei stellungen



■ **416.500**  
■ **416.900**

Interruttori alzacristalli elettrici  
Electrical power windows switches  
Interrupteurs pour soulever verre électrique  
Elektrisch hochklappen glas shalter



■ **419.500**  
■ **419.900**

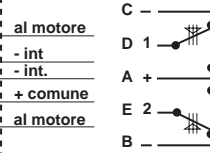
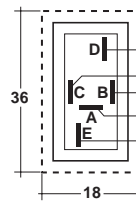
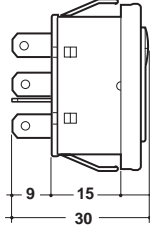
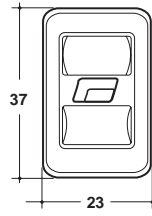
Interruttori blocco porte e sportelli  
Ports-doors lock switches  
Interrupteurs pour le bloc des ports e arrière porte  
Kanäle-hecktür block shalter

# Interruttori alzacristalli elettrici applicazione universale

Electrical power windows switches-universal application  
 Interrupteurs pour soulever verre électrique-application universel  
 Elektrisch hochklappen glas shalter-universal anwendung

Dim. foro pannello 18x36 - Vetture francesi

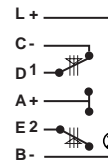
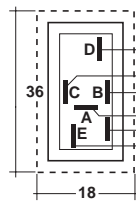
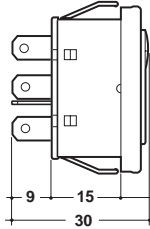
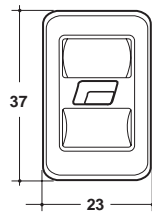
116.550



Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 18x36 - Vetture francesi

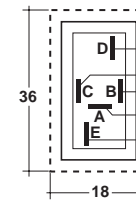
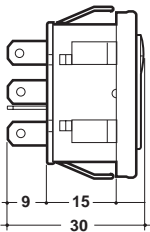
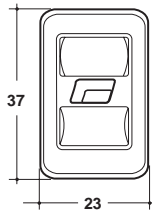
116.551 R  
 116.551 V



Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

Dim. foro pannello 20x34 - Vetture tedesche

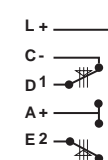
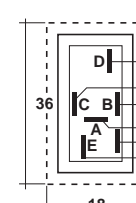
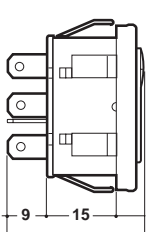
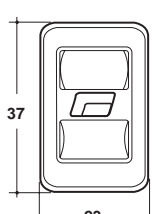
116.552



Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 20x34 - Vetture tedesche

116.553 R  
 116.553 V



Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led -  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

# Interruttori alzacristalli elettrici applicazione universale

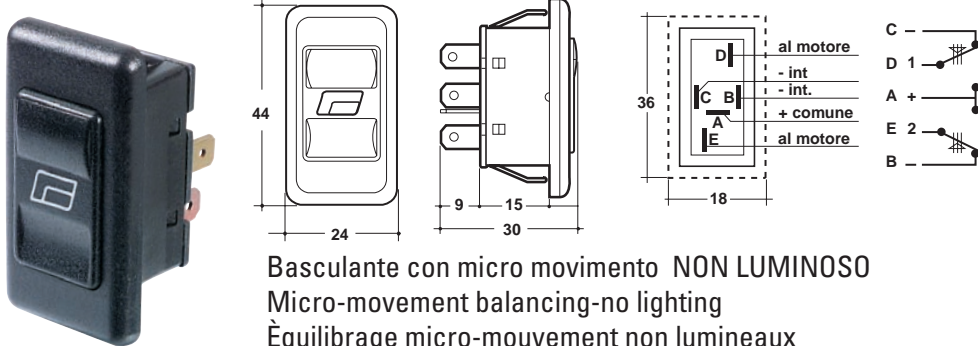
Electrical power windows switches-universal application

Interrupteurs pour soulever verre électrique-application universel

Elektrisch hochklappen glas shalter-universal anwendung

## Dim. foro pannello 18x36 - Vetture francesi

116.554

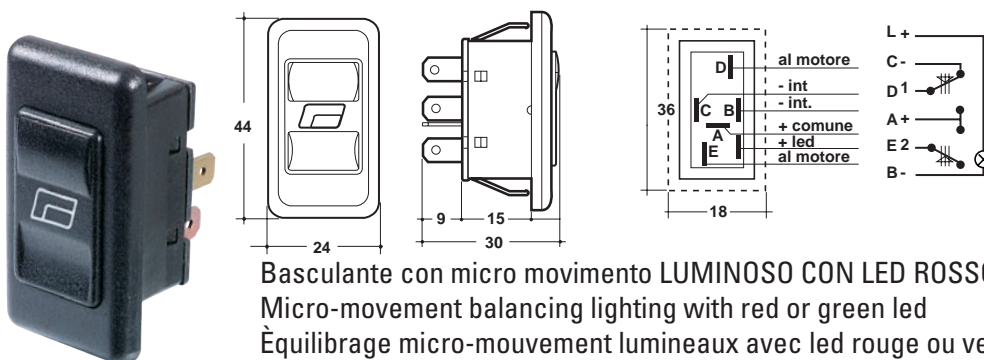


Basculante con micro movimento **NON LUMINOSO**  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

## Dim. foro pannello 18x36 - Vetture francesi

■ 116.555 R

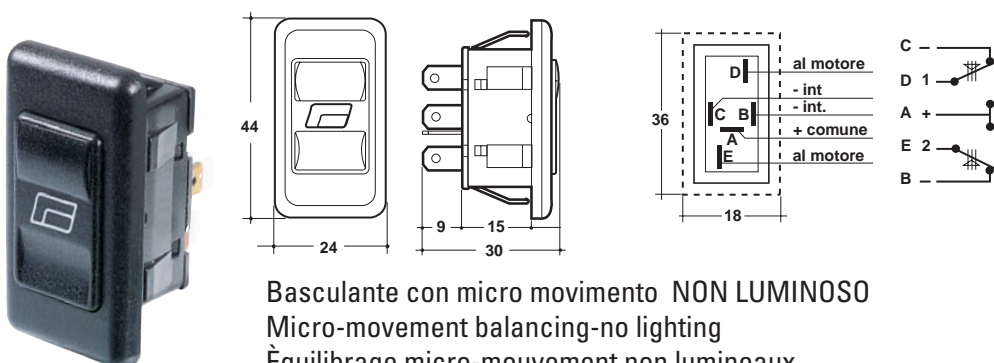
■ 116.555 V



Basculante con micro movimento **LUMINOSO CON LED ROSSO O VERDE**  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

## Dim. foro pannello 20x34 - Vetture tedesche

116.556

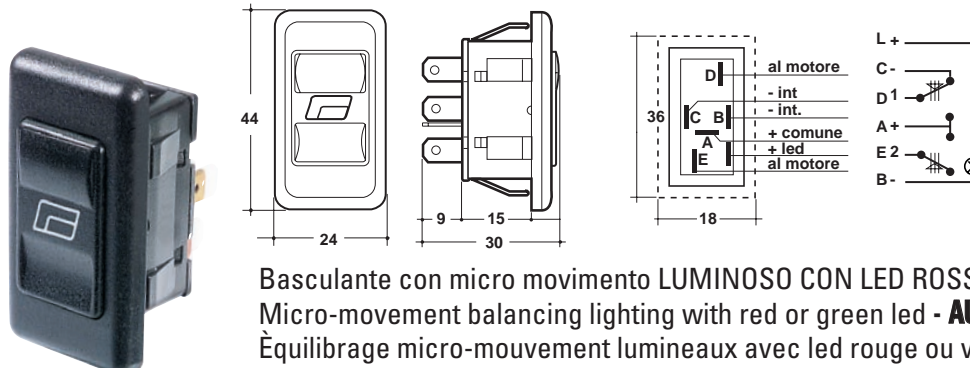


Basculante con micro movimento **NON LUMINOSO**  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

## Dim. foro pannello 20x34 - Vetture tedesche

■ 116.557 R

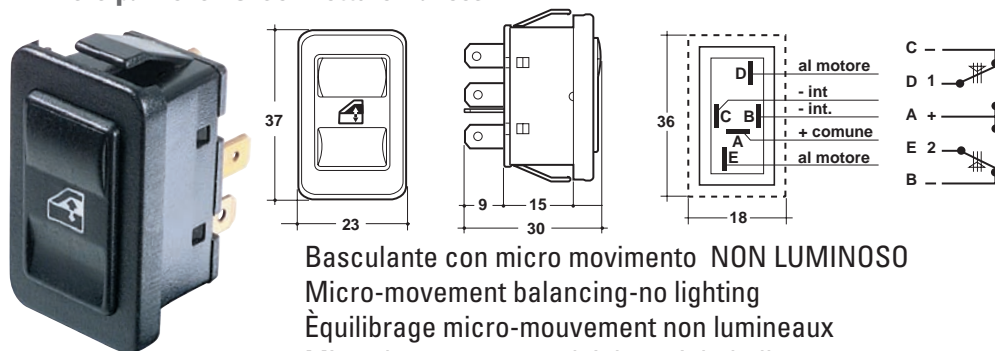
■ 116.557 V



Basculante con micro movimento **LUMINOSO CON LED ROSSO O VERDE - AUDI**  
 Micro-movement balancing lighting with red or green led - **AUDI**  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert - **AUDI**  
 Micro-bewegung hellen ausgleichen mit led rot oder grün - **AUDI**

Dim. foro pannello 18x36 - Vetture francesi

116.558

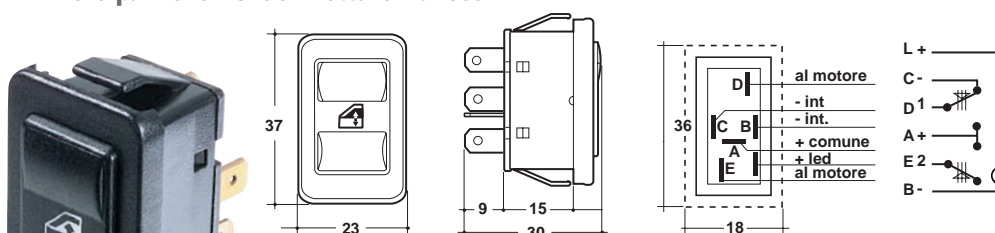


Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 18x36 - Vetture francesi

116.559 R

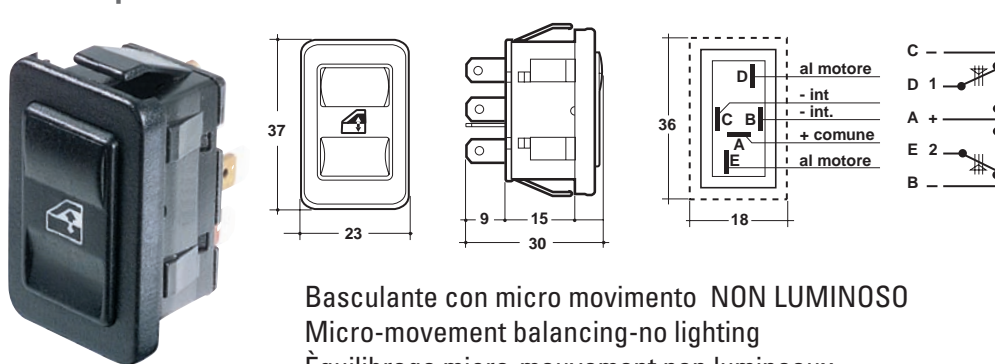
116.559 V



Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

Dim. foro pannello 20x34 - Vetture tedesche

116.560

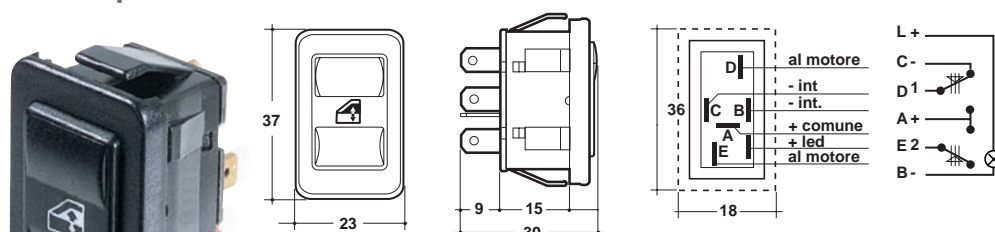


Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 20x34 - Vetture tedesche

116.561 R

116.561 V



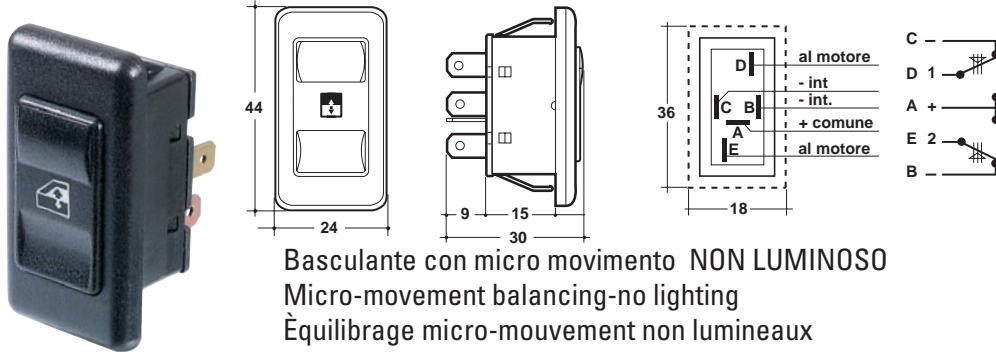
Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

# Interruttori alzacrystalli elettrici applicazione universale

Electrical power windows switches-universal application  
 Interrupteurs pour soulevez verre électrique-application universel  
 Elektrisch hochklappen glas shalter-universal anwendung

Dim. foro pannello 18x36 - Vetture francesi

116.562

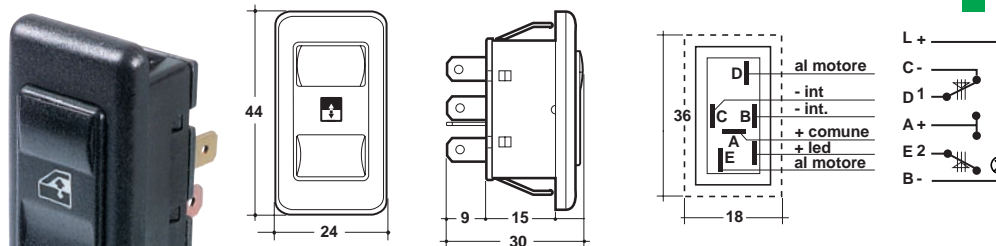


Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 18x36 - Vetture francesi

116.563 R

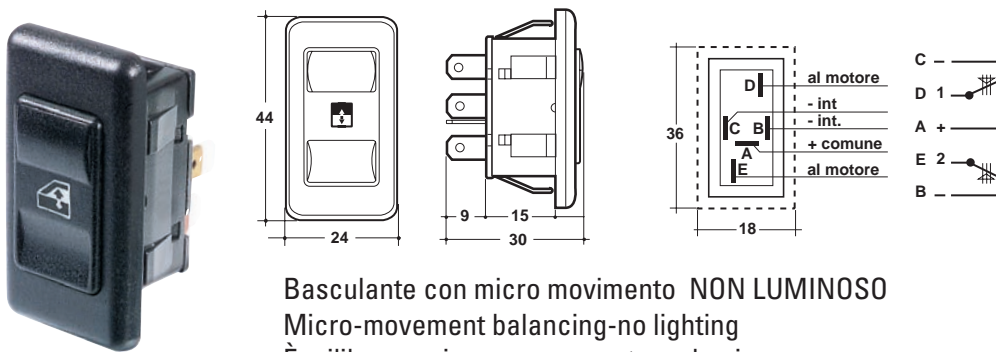
116.563 V



Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

Dim. foro pannello 20x34 - Vetture tedesche

116.564

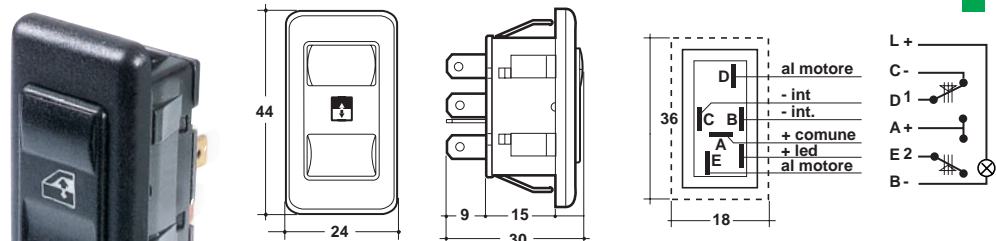


Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 20x34 - Vetture tedesche

116.565 R

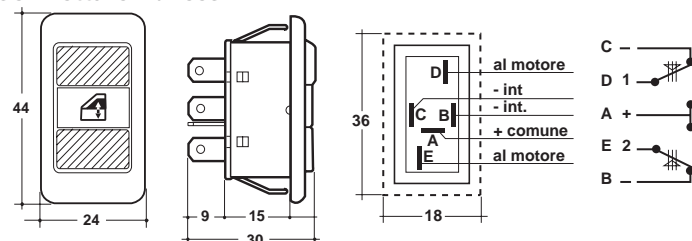
116.565 V



Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

Dim. foro pannello 18x36 - Vetture francesi

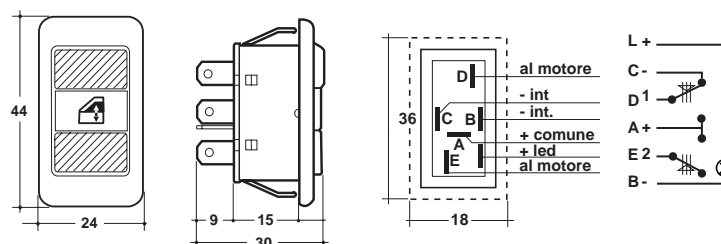
116.600



Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 18x36 - Vetture francesi

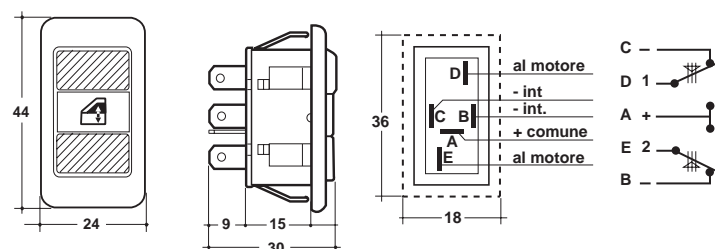
116.601 R  
 116.601 V



Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

Dim. foro pannello 20x34 - Vetture tedesche

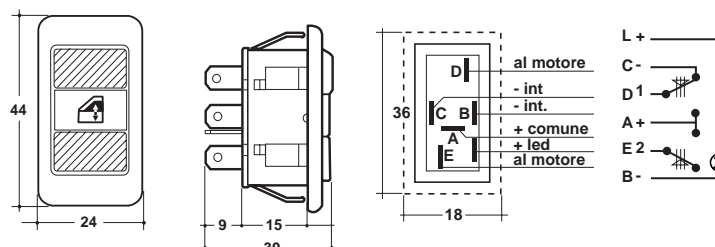
116.602



Basculante con micro movimento NON LUMINOSO  
 Micro-movement balancing-no lighting  
 Équilibrage micro-mouvement non lumineux  
 Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 20x34 - Vetture tedesche

116.603 R  
 116.603 V



Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
 Micro-movement balancing lighting with red or green led  
 Équilibrage micro-mouvement lumineux avec led rouge ou vert  
 Micro-bewegung hellen ausgleichen mit led rot oder grün

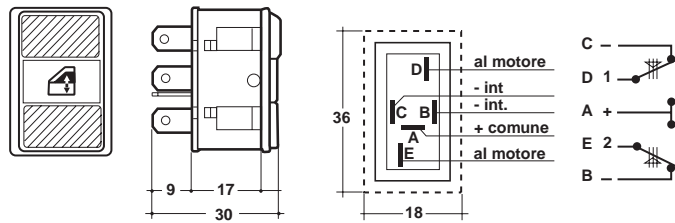


# Interruttori alzacrystalli elettrici applicazione universale

Electrical power windows switches-universal application

Interrupteurs pour soulever verre électrique-application universel

Elektrisch hochklappen glas shalter-universal anwendung



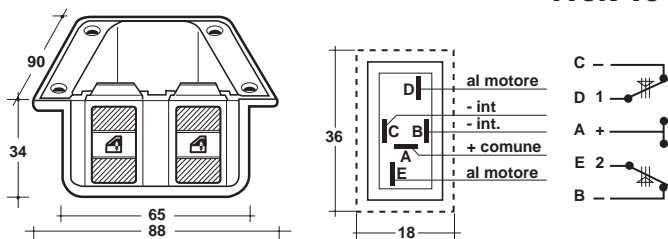
**116.610**

Basculante con micro movimento NON LUMINOSO

Micro-movement balancing-no lighting

Équilibrage micro-mouvement non lumineux

Micro-bewegung ausgleichen nicht hell



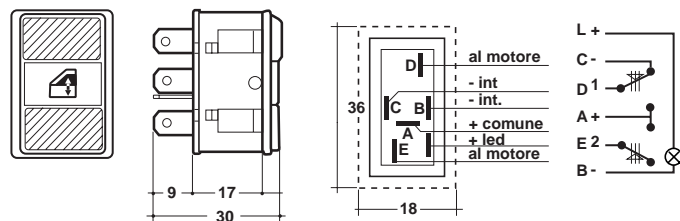
**116.710**

Supporto completo di due interruttori-Basculanti con micro movimento NON LUMINOSI

Complete support two balancing switches with micro-movement not lighting

Support complet deux équilibrage interruptores avec micro-mouvement non lumineux

Komplett halter zwei ausgleichen shalter mit micro-bewegung nicht hell



**116.611 R**

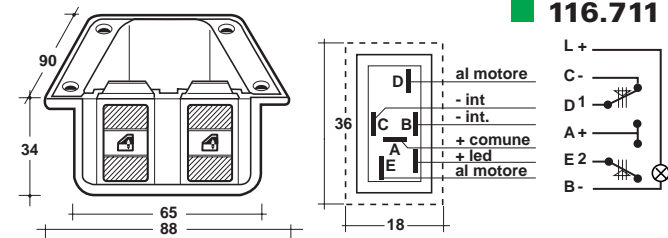
**116.611 V**

Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE

Micro-movement balancing lighting with red or green led

Équilibrage micro-mouvement lumineux avec led rouge ou vert

Micro-bewegung hellen ausgleichen mit led rot oder grün



**116.711 R**

**116.711 V**

Supporto completo di 2 interruttori-Basculanti con micro movimento LUMINOSI CON LED ROSSO O VERDE

Complete support 2 balancing switches with micro-movement lighting with red or green led

Support complet 2 équilibrage interruptores avec micro-mouvement lumineux avec led rouge ou vert

Komplett halter 2 ausgleichen shalter mit micro-bewegung hellen mit rot oder grün led

# Interruttori alzacristalli elettrici applicazione Audi

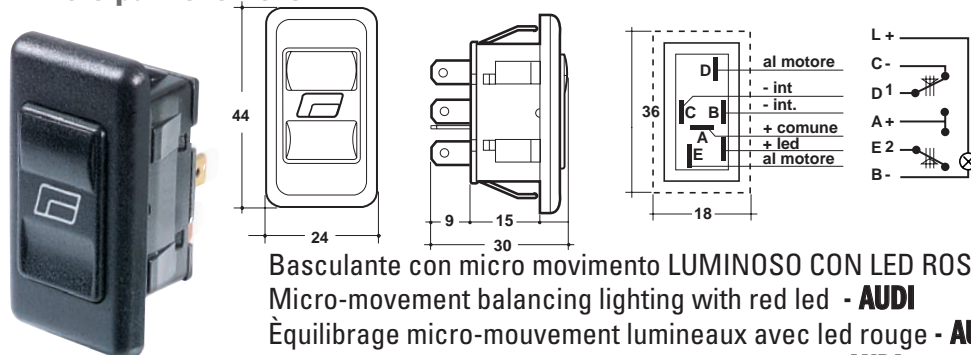
Electrical power windows switches-AUDI application

Interrupteurs pour soulever verre électrique-application AUDI

Elektrisch hochklappen glas shalter-AUDI anwendung

Dim. foro pannello 20x34

■ 116.557 R



Basculante con micro movimento LUMINOSO CON LED ROSSO - **AUDI**

Micro-movement balancing lighting with red led - **AUDI**

Équilibrage micro-mouvement lumineux avec led rouge - **AUDI**

Micro-bewegung hellen ausgleichen mit led rot - **AUDI**



■ 116.557 RC

Versione con cavi per pannelli porte posteriori - **AUDI**

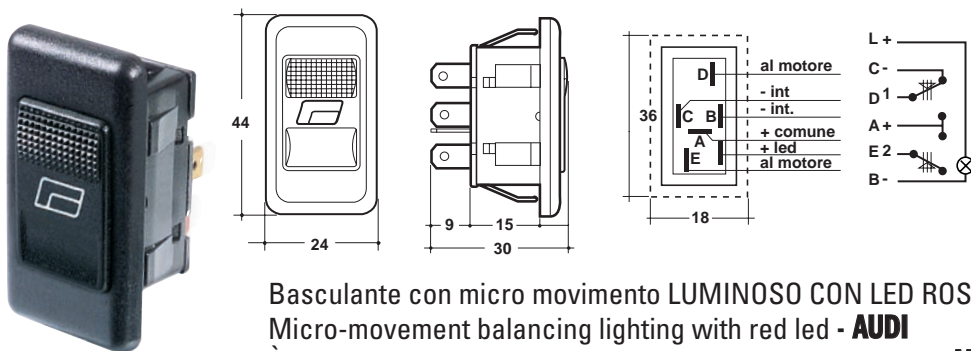
Version with cables for posteriors panel doors - **AUDI**

Version avec fils de sortie pour panneau postérieur ports - **AUDI**

Version mit kabel für hinteren pannel kanäle - **AUDI**

Dim. foro pannello 20x34

■ 116.570 R



Basculante con micro movimento LUMINOSO CON LED ROSSO- **AUDI**

Micro-movement balancing lighting with red led - **AUDI**

Équilibrage micro-mouvement lumineux avec led rouge - **AUDI**

Micro-bewegung hellen ausgleichen mit led rot - **AUDI**



■ 116.570 RC

Versione con cavi per pannelli porte posteriori - **AUDI**

Version with cables for posteriors panel doors - **AUDI**

Version avec fils de sortie pour panneau postérieur ports - **AUDI**

Version mit kabel für hinteren pannel kanäle - **AUDI**

# Interruttori alzacristalli elettrici applicazione Volkswagen

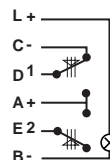
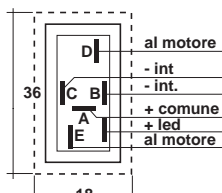
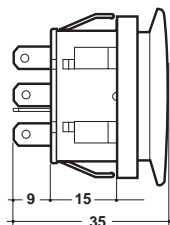
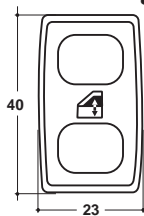
Electrical power windows switches-VOLKSWAGEN application

Interrupteurs pour soulever verre électrique-application VOLKSWAGEN

VOLKSWAGEN - Elektrisch hochklappen glas shalter-VOLKSWAGEN anwendung

Dim. foro pannello 20x34 **Wolkswagen: Golf 84 - Jetta - Nuova Golf**

■ 116.580 V



Basculante con micro movimento LUMINOSO CON LED VERDE

Micro-movement balancing lighting with green led

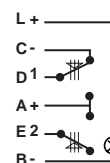
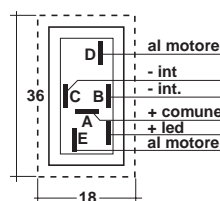
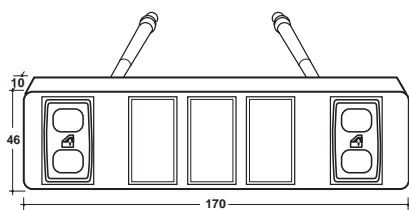
Équilibrage micro-mouvement lumineux avec led vert

Micro-bewegung hellen ausgleichen mit led grün



**Wolkswagen: Golf - Jetta - Nuova Golf**

■ 116.714 V



Supporto completo di due interruttori basculanti con micro movimento LUMINOSI CON LED VERDE

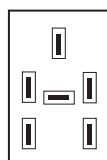
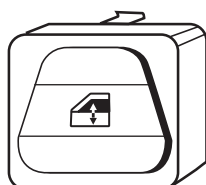
Complete support two balancing switches with micro-movement-lighting with green led

Support complet deux équilibrage interruptores avec micro-mouvement lumineux avec led vert

Komplett halter zwei ausgleichen shalter mit micro-bewegung hellen mit grün led

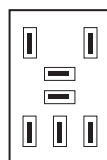
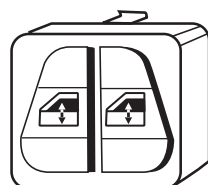
**Wolkswagen: Golf3 - Vento**

116.612



**Wolkswagen: Golf3 - Vento**

116.613



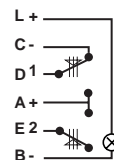
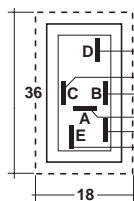
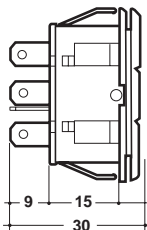
# Interruttori alzacristalli elettrici applicazione universale

Electrical power windows switches-universal application

Interrupteurs pour soulever verre électrique-application universel

Elektrisch hochklappen glas shalter-universal anwendung

\*Volkswagen: Passat 88



■ 116.585 R  
■ 116.585 V\*

Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE

Micro-movement balancing lighting with red or green led

Équilibrage micro-mouvement lumineux avec led rouge ou vert

Micro-bewegung hellen ausgleichen mit led rot oder grün



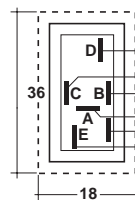
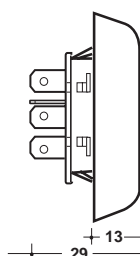
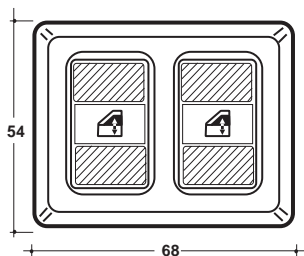
■ 116.585 RC  
■ 116.585 VC\*

Versione con cavi per pannelli porte posteriori Volkswagen Passat 88

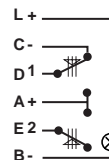
Version with cables for posteriors panel doors Volkswagen Passat 88

Version avec fils de sortie pour panneau postérieur ports Volkswagen Passat 88

Version mit kabel für hinteren pannel kanäle Volkswagen Passat 88



■ 116.712 R  
■ 116.712 V

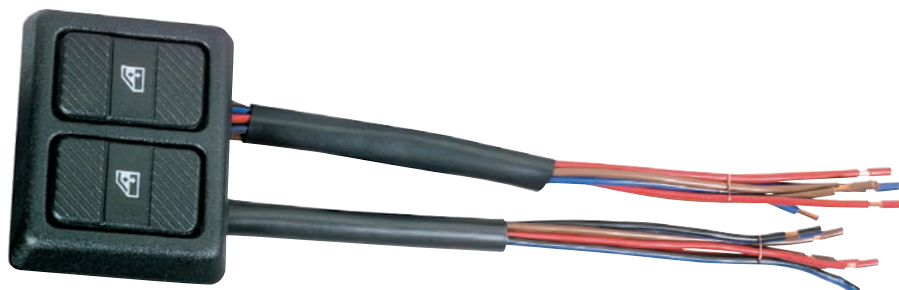


Supporto completo di due interruttori basculanti con micro movimento LUMINOSI CON LED ROSSO O VERDE

Complete support two balancing switches with micro-movement-lighting with red or green led

Support complet deux équilibrage interruptores avec micro-mouvement lumineux avec led rouge ou vert

Komplett halter zwei ausgleichen shalter mit micro-bewegung hellen mit rot oder grün led



■ 116.712 RC  
■ 116.712 VC

Versione con cavi per pannelli porte posteriori Volkswagen Passat 88

Version with cables for posteriors panel doors Volkswagen Passat 88

Version avec fils de sortie pour panneau postérieur ports Volkswagen Passat 88

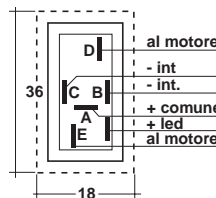
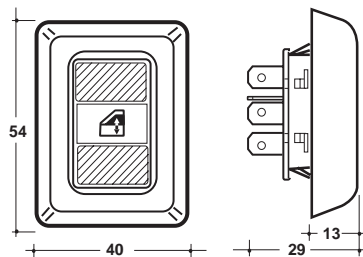
Version mit kabel für hinteren pannel kanäle - Volkswagen Passat 88

# Interruttori alzacristalli elettrici applicazione Volkswagen

Electrical power windows switches-VOLKSWAGEN application

Interrupteurs pour soulever verre électrique-application VOLKSWAGEN

VOLKSWAGEN - Elektrisch hochklappen glas shalter-VOLKSWAGEN anwendung



■ 116.713 R

■ 116.713 V



Supporto completo di interruttore basculante con micro movimento LUMINOSI CON LED ROSSO O VERDE  
 Complete support balancing switch with micro-movement-lighting with red or green led  
 Support complet à équilibrage interruptor avec micro-mouvement lumineux avec led rouge ou vert  
 Komplett halter ausgleichen shalter mit micro-bewegung hellen mit rot oder grün led

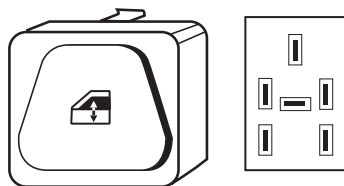
Versione con cavi



■ 116.713 RC

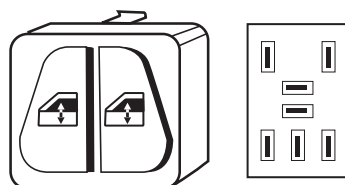
■ 116.713 VC

Volkswagen: Passat '93



116.614

Volkswagen: Passat '93



116.615

# Interruttori alzacrystalli elettrici applicazione Volkswagen

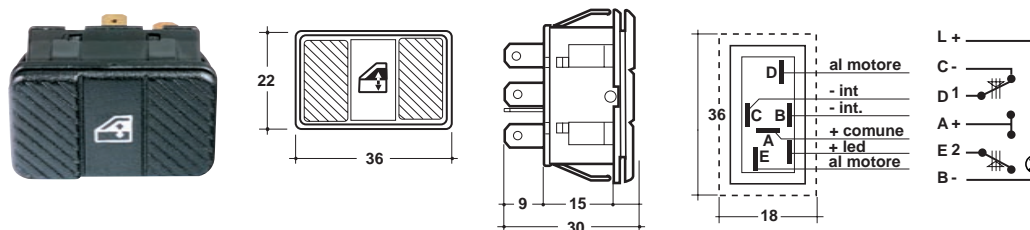
Electrical power windows switches-VOLKSWAGEN application

Interrupteurs pour soulever verre électrique-application VOLKSWAGEN

VOLKSWAGEN - Elektrisch hochklappen glas shalter-VOLKSWAGEN anwendung

Dim. foro pannello 20x34 - Volkswagen: Polo

■ 116.586 V



Basculante con micro movimento LUMINOSO CON LED VERDE

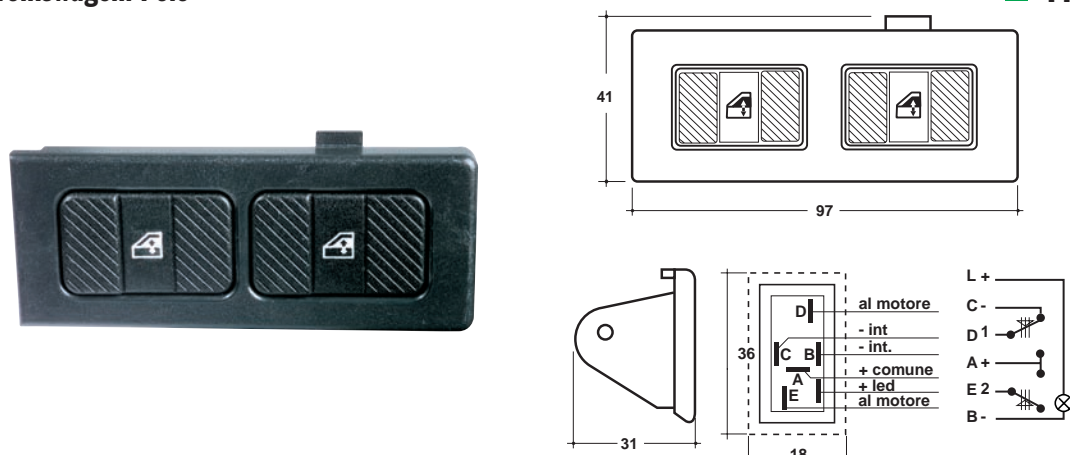
Micro-movement balancing lighting with green led

Équilibrage micro-mouvement lumineux avec led vert

Micro-bewegung hellen ausgleichen mit led grün

Volkswagen: Polo

■ 116.715 V



Supporto completo di due interruttori basculanti con micro movimento LUMINOSI CON LED VERDE

Complete support two balancing switches with micro-movement-lighting with green led

Support complet deux équilibrage interruptores avec micro-mouvement lumineux avec led vert

Komplett halter zwei ausgleichen shalter mit micro-bewegung hellen mit grün led

# Interruttori alzacristalli elettrici applicazione Mercedes

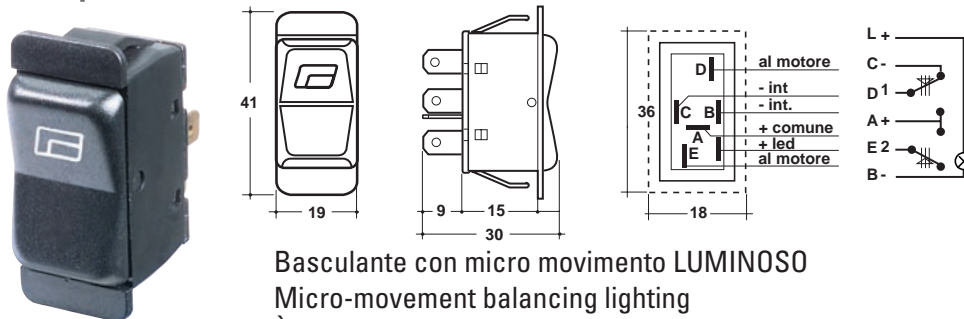
Electrical power windows switches-MERCEDES application

Interrupteurs pour soulever verre électrique-application MERCEDES

Elektrisch hochklappen glas shalter-MERCEDES anwendung

Dim. foro pannello 20x34 - Mercedes: 190-200 1<sup>a</sup> serie

116.590



Basculante con micro movimento LUMINOSO

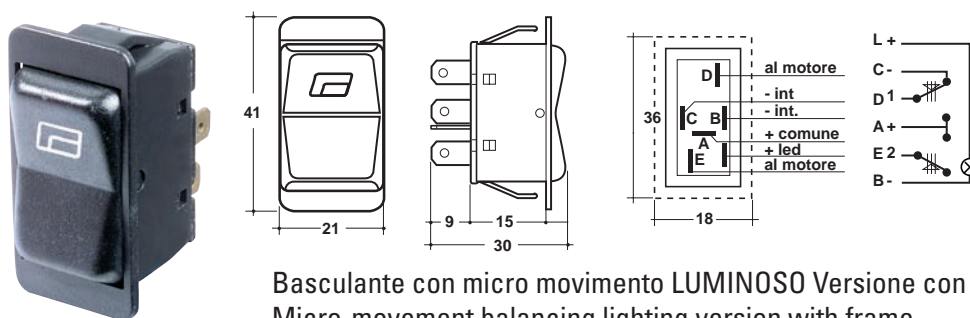
Micro-movement balancing lighting

Équilibrage micro-mouvement lumineux

Micro-bewegung hellen ausgleichen

Dim. foro pannello 20x34 - Mercedes: 190-200 1<sup>a</sup> serie - Versione con cornice

116.591



Basculante con micro movimento LUMINOSO Versione con cornice

Micro-movement balancing lighting version with frame

Équilibrage micro-mouvement lumineux version avec corniche

Micro-bewegung hellen ausgleichen version mit sims

# Interruttori alzacristalli elettrici applicazione Mercedes

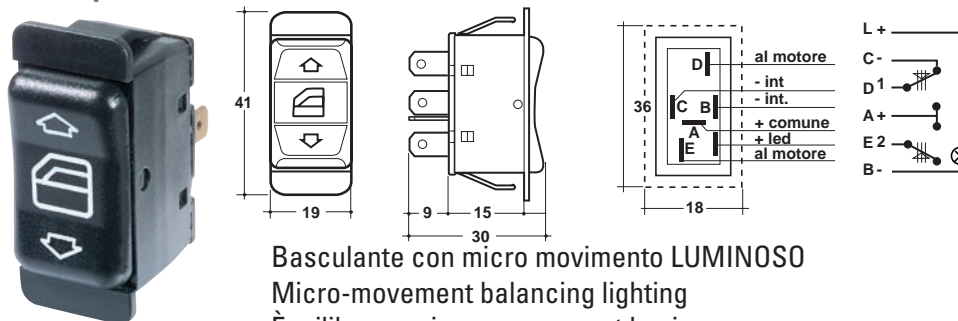
Electrical power windows switches-MERCEDES application

Interrupteurs pour soulever verre électrique-application MERCEDES

Elektrisch hochklappen glas shalter-MERCEDES anwendung

Dim. foro pannello 20x34 - Mercedes: 190-200 2<sup>a</sup> serie

116.592



Basculante con micro movimento LUMINOSO

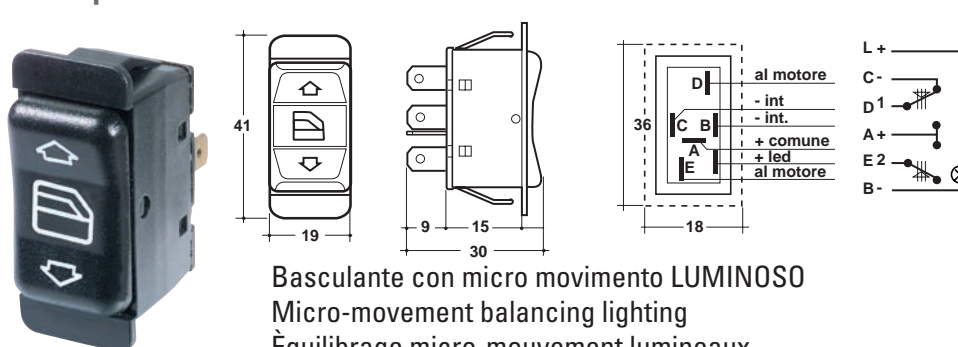
Micro-movement balancing lighting

Équilibrage micro-mouvement lumineux

Micro-bewegung hellen ausgleichen

Dim. foro pannello 20x34 - Mercedes: 190-200 2<sup>a</sup> serie

116.593



Basculante con micro movimento LUMINOSO

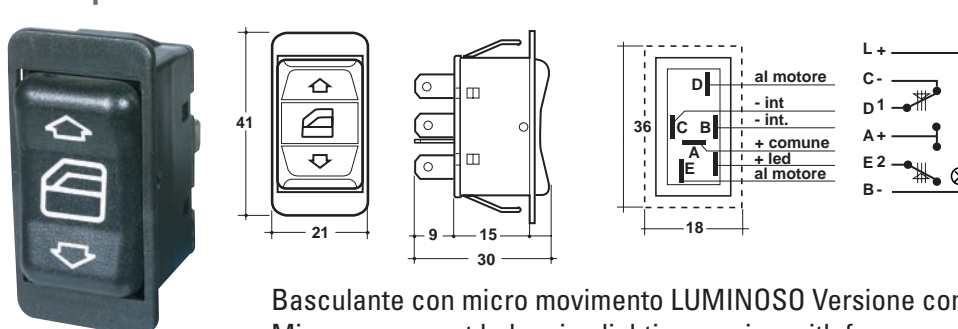
Micro-movement balancing lighting

Équilibrage micro-mouvement lumineux

Micro-bewegung hellen ausgleichen

Dim. foro pannello 20x34 - Mercedes: 190-200 2<sup>a</sup> serie - Versione con cornice

116.594



Basculante con micro movimento LUMINOSO Versione con cornice

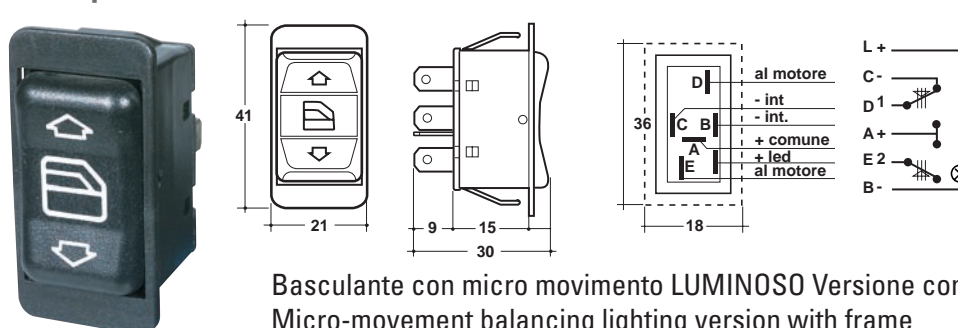
Micro-movement balancing lighting version with frame

Équilibrage micro-mouvement lumineux version avec corniche

Micro-bewegung hellen ausgleichen version mit sims

Dim. foro pannello 20x34 - Mercedes: 190-200 2<sup>a</sup> serie - Versione con cornice

116.595



Basculante con micro movimento LUMINOSO Versione con cornice

Micro-movement balancing lighting version with frame

Équilibrage micro-mouvement lumineux version avec corniche

Micro-bewegung hellen ausgleichen version mit sims



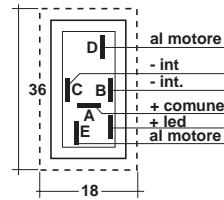
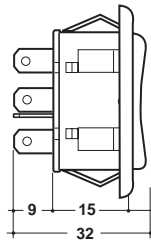
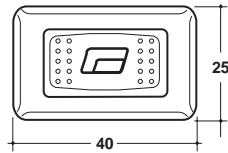
# Interruttori alzacristalli elettrici applicazione Ford

Electrical power windows switches - FORD application

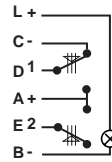
Interrupteurs pour soulever verre électrique-application FORD

Elektrisch hochklappen glas shalter - FORD anwendung

## Dim. foro pannello 20x34 - Ford: Fiesta



116.604



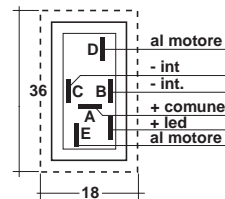
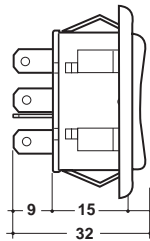
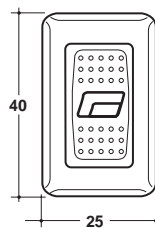
Basculante con micro movimento LUMINOSO CON LED

Micro-movement balancing lighting with led

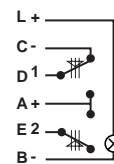
Équilibrage micro-mouvement lumineux avec led

Micro-bewegung hellen ausgleichen mit led

## Ford: Sierra



116.605



Supporto basculante con micro movimento LUMINOSO CON LED

Support micro-movement balancing lighting with led

Support équilibrage micro-mouvement lumineux avec led

Halter micro-bewegung hellen ausgleichen mit led

# Interruttori alzacristalli elettrici applicazione Opel

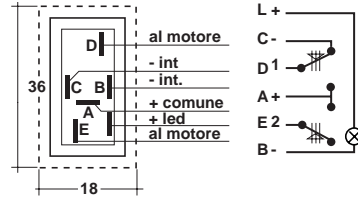
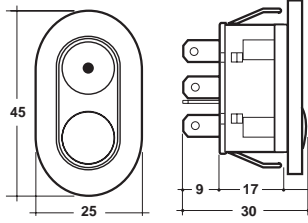
Electrical power windows switches-OPEL application

Interrupteurs pour soulever verre électrique-application

OPEL - Elektrisch hochklappen glas shalter-OPEL anwendung

## Dim. foro pannello 20x34 - Opel: Omega Anteriore - Vectra Posteriore

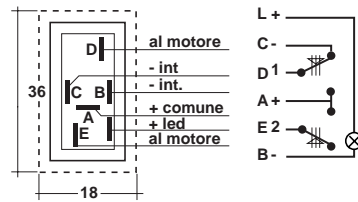
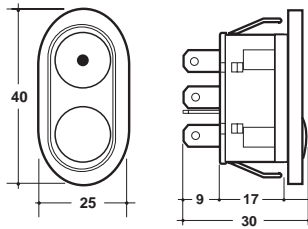
116.606



Basculante con micro movimento LUMINOSO CON LED  
 Micro-movement balancing lighting with led  
 Équilibrage micro-mouvement lumineux avec led  
 Micro-bewegung hellen ausgleichen mit led

## Opel: Vectra

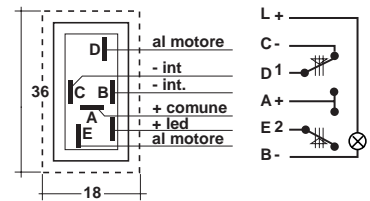
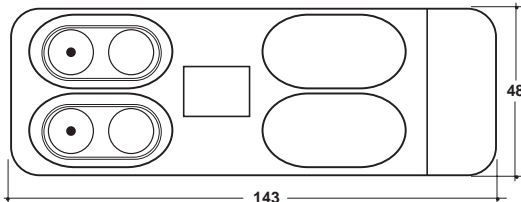
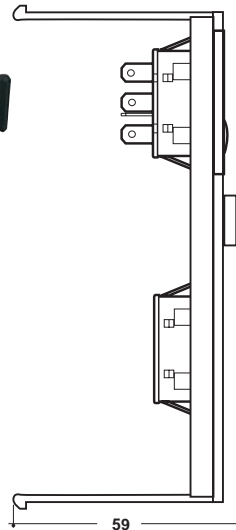
116.607



Basculante con micro movimento LUMINOSO CON LED  
 Micro-movement balancing lighting with led  
 Équilibrage micro-mouvement lumineux avec led  
 Micro-bewegung hellen ausgleichen mit led

## Opel: Vectra anteriore - Versione porte anteriori

116.716



Supporto completo di 2 interruttori basculanti con micro movimento LUMINOSI CON LED VERDE  
 Complete support 2 balancing switches with micro-movement-lighting with green led  
 Support complet 2 équilibrage interruptores avec micro-mouvement lumineux avec led vert  
 Komplett halter 2 ausgleichen shalter mit micro-bewegung hellen mit grün led

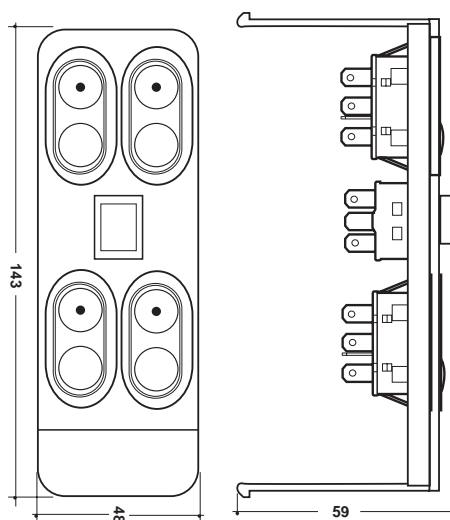
# Interruttori alzacristalli elettrici applicazione Opel

Electrical power windows switches-OPEL application

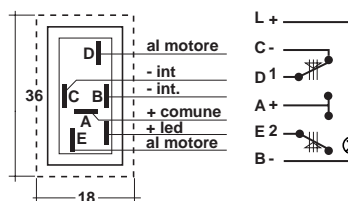
Interrupteurs pour soulever verre électrique-application

OPEL - Elektrisch hochklappen glas shalter-OPEL anwendung

## Opel: Vectra 4 porte



116.717



Supporto completo di 4 interruttori basculanti con micro movimento LUMINOSI CON LED VERDE

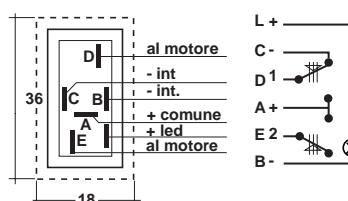
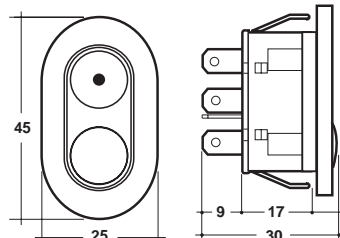
Complete support 4 balancing switches with micro-movement-lighting with green led

Support complet 4 èquilibrage interruptores avec micro-mouvement lumineux avec led vert

Komplett halter 4 ausgleichen shalter mit micro-bewegung hellen mit grün led

## Dim. foro pannello 20x34 - Opel: Vectra porte posteriori

116.606



Basculante con micro movimento LUMINOSO CON LED

Micro-movement balancing lighting with led

Èquilibrage micro-mouvement lumineux avec led

Micro-bewegung hellen ausgleichen mit led

# Interruttori alzacristalli elettrici applicazione BMW

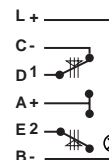
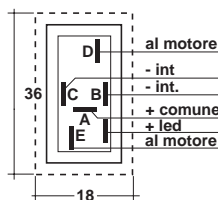
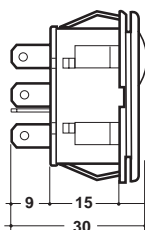
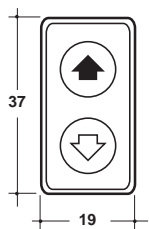
Electrical power windows switches-BMW application

Interrupteurs pour soulever verre électrique-application BMW -

Elektrisch hochklappen glas shalter-BMW anwendung

## BMW Serie 3 '91

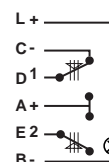
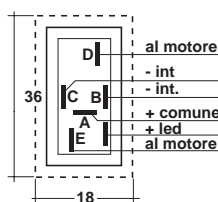
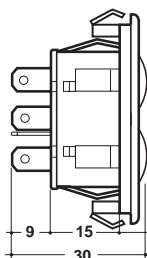
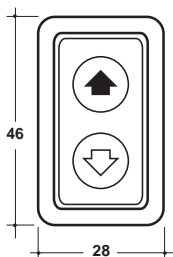
116.608



Basculante con micro movimento LUMINOSO CON LED  
 Micro-movement balancing lighting with led  
 Équilibrage micro-mouvement lumineux avec led  
 Micro-bewegung hellen ausgleichen mit led

## BMW Serie 3 '91 - 2 porte anteriori e porte posteriori

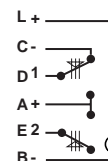
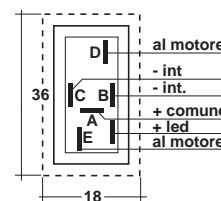
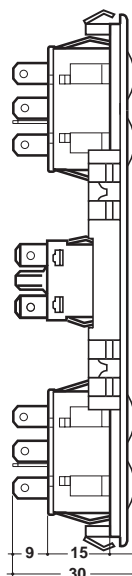
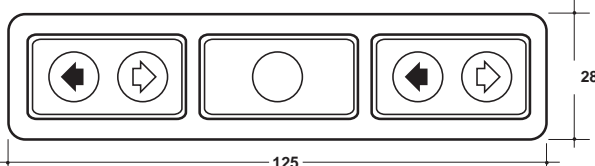
116.718



Basculante con micro movimento LUMINOSO CON LED  
 Micro-movement balancing lighting with led  
 Équilibrage micro-mouvement lumineux avec led  
 Micro-bewegung hellen ausgleichen mit led

## BMW Serie 3 '91 - Versione 4 porte

116.719



Supporto completo di 2 interruttori più blocco vetri con micro movimento LUMINOSI CON LED  
 Complete support 2 switches plus glasses block with micro-movement-lighting with led  
 Support complet 2 interruptores plus le bloc des verres avec micro-mouvement lumineux avec led  
 Komplett halter 2 shalter plus block glaser mit micro-bewegung hell mit led

# Interruttori alzacrystalli elettrici applicazione BMW

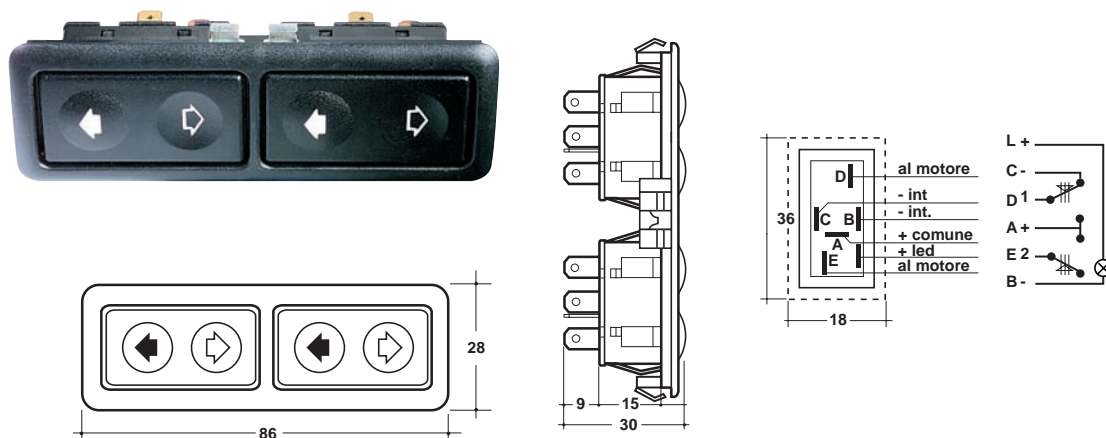
Electrical power windows switches-BMW application

Interrupteurs pour soulever verre électrique-application BMW

Elektrisch hochklappen glas shalter-BMW anwendung

BMW Serie 3 '91 - Versione 4 porte

116.720



Supporto completo di due interruttori basculanti con micro movimento LUMINOSI CON LED

Complete support two balancing switches with micro-movement-lighting with led right side doors

Support complet deux èquilibrage interruptores avec micro-mouvement lumineux avec led cote

Komplett halter zwei ausgleichen shalter mit micro-bewegung hell mit led recht

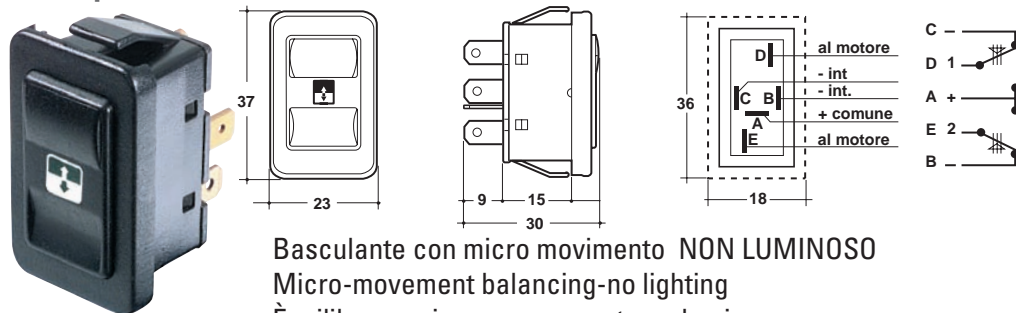
# Interruttori tettuccio elettrico applicazione universale

Electric canopy switches-universal application

Interrupteurs pour toit électrique-application universel

Elektrisch dach shalter-universal anwendung

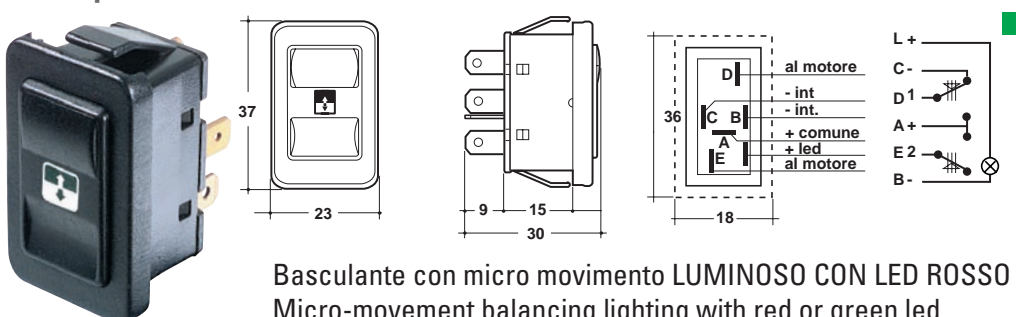
Dim. foro pannello 18x36



121.500

Basculante con micro movimento NON LUMINOSO  
Micro-movement balancing-no lighting  
Équilibrage micro-mouvement non lumineux  
Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 18x36

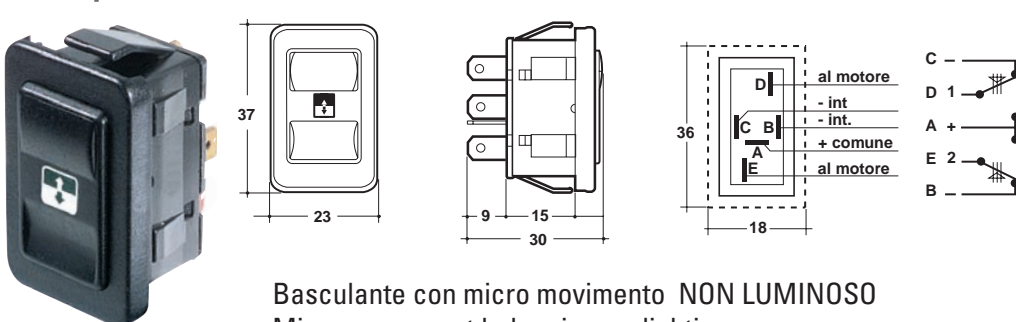


■ 121.501 R

■ 121.501 V

Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
Micro-movement balancing lighting with red or green led  
Équilibrage micro-mouvement lumineux avec led rouge ou vert  
Micro-bewegung hellen ausgleichen mit led rot oder grün

Dim. foro pannello 20x34



121.502

Basculante con micro movimento NON LUMINOSO  
Micro-movement balancing-no lighting  
Équilibrage micro-mouvement non lumineux  
Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 20x34



■ 121.503 R

■ 121.503 V

Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE  
Micro-movement balancing lighting with red or green led  
Équilibrage micro-mouvement lumineux avec led rouge ou vert  
Micro-bewegung hellen ausgleichen mit led rot oder grün

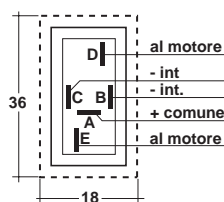
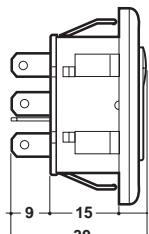
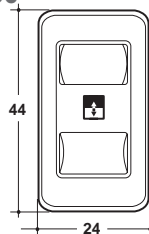
# Interruttori tettuccio elettrico applicazione universale

Electric canopy switches-universal application

Interrupteurs pour toit électrique-application universel

Elektrisch dach shalter-universal anwendung

Dim. foro pannello 18x36



**121.504**

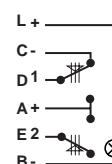
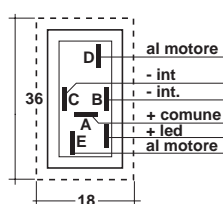
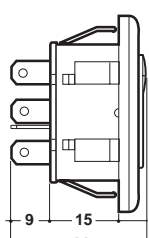
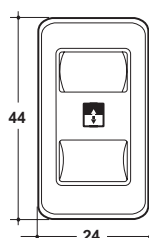
Basculante con micro movimento NON LUMINOSO

Micro-movement balancing-no lighting

Équilibrage micro-mouvement non lumineux

Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 18x36



**121.505 R**

**121.505 V**

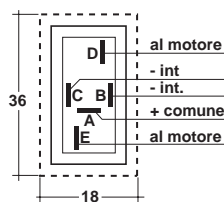
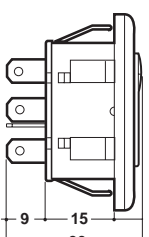
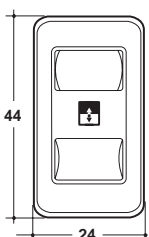
Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE

Micro-movement balancing lighting with red or green led

Équilibrage micro-mouvement lumineux avec led rouge ou vert

Micro-bewegung hellen ausgleichen mit led rot oder grün

Dim. foro pannello 20x34



**121.506**

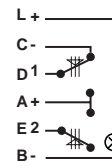
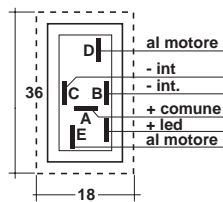
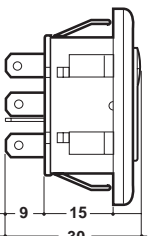
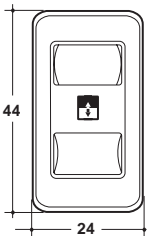
Basculante con micro movimento NON LUMINOSO

Micro-movement balancing-no lighting

Équilibrage micro-mouvement non lumineux

Micro-bewegung ausgleichen nicht hell

Dim. foro pannello 20x34



**121.507 R**

**121.507 V**

Basculante con micro movimento LUMINOSO CON LED ROSSO O VERDE

Micro-movement balancing lighting with red or green led

Équilibrage micro-mouvement lumineux avec led rouge ou vert

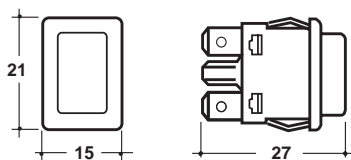
Micro-bewegung hellen ausgleichen mit led rot oder grün

# Interruttori a pulsante blocco vetri posteriori

Push button posterior glasses lock  
Bouton pour le bloc des verres postérieur  
Drucktaste für hintere gläser block

**Opel Vectra**

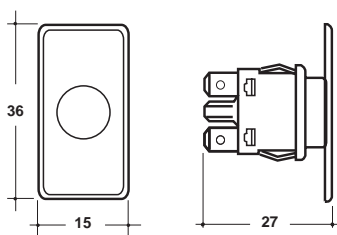
**122.500**



Pulsante blocco vetri posteriori  
Posterior glasses lock push button  
Bouton pour le bloc des verres postérieur  
Drucktaste für hintere gläser block

**BMW: serie 3 versione '91**

**122.501**



Pulsante blocco vetri posteriori  
Posterior glasses lock push button  
Bouton pour le bloc des verres postérieur  
Drucktaste für hintere gläser block





## **BORGATO** SRL

**COSTRUZIONE RICAMBI E COMPONENTI ELETTRICI**

Via Bolzani, 116/A - 35020 Maserà - Padova - Italy

Tel. 049 8860202 - 8861880 - 8861881 - Fax: 049 8860808 - [www.borgatosrl.it](http://www.borgatosrl.it) [info@borgatosrl.it](mailto:info@borgatosrl.it)