Cable Plug acc. to DIN 43650, Form A

Type 2512

EaseOn Technology

28.0 mm Width; 18.0 mm Contact Clearance; 0 - 250 V

Advantages/Benefits

- **EaseOn Technology "push-in & turn-off"**
- **Optional versions with LED, rectifier, recovery diode, pole protection and varistor**

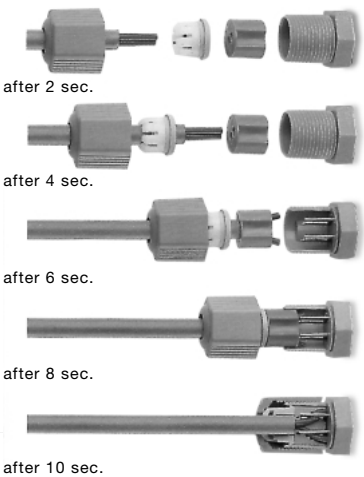
Design/Function

EaseOn Technology:

Easy to handle
i.e. no special tools necessary.

- Cut-off the cable
- Strip the cable insulation
- Push-in the two insulated wires just as they are
- Screw it tight
- Ready to use

Five steps for connection:



For normal cable glands (Form A), please see data sheet Type 2508.

For cable plug with High Power Electronic (Form A), please see data sheet Type 2511 HL.

Applications

Plug-in connection for electrical devices and components, especially solenoid valves with lateral tag connectors.

EaseOn Technology for cable plug equivalent to type 2508.

Tag configurations according to DIN 43650, form A.

bürkert
Easy Fluid Control Systems

Cable Plug acc. to DIN 43650, Form A

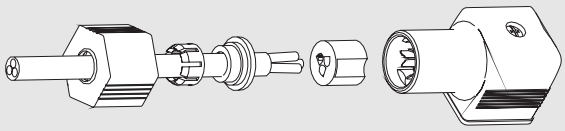
Type 2512

EaseOn Technology

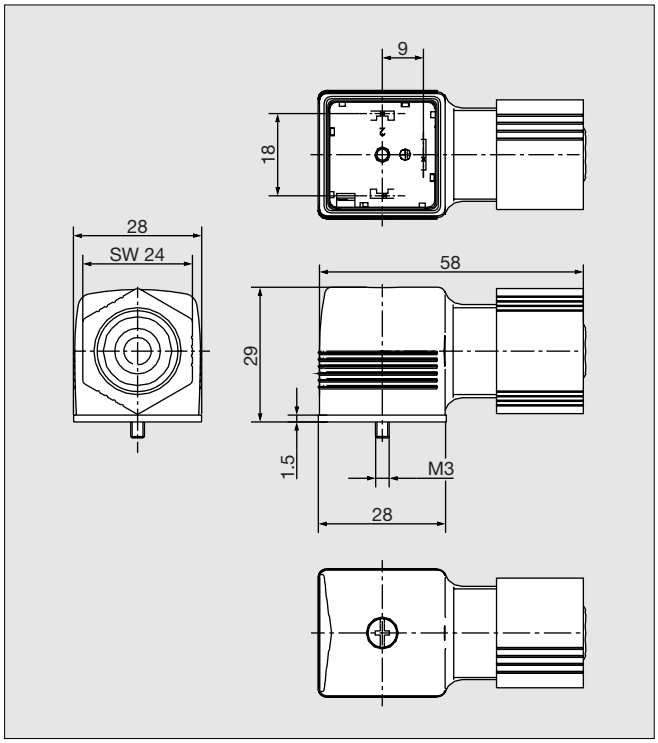
Technical data type 2512

Materials	
Body	Polyamide PA
Cover	Polyamide PA (without LED) Polysulfone (with LED)
Contacts	Brass, electro silverplated (Contact distance: 18 mm)
Isolation	
between cable plug & coil	NBR gasket 1.5 mm
Cable outlet (orientated on single valves)	Vertically to the plug bottom, can be rotated by 4 x 90° after removal
Contact clearance	18 mm
Contact resistance	5 mΩ
Continuous limit temp.	+80°C
Electrical cable connection	EaseOn Technology "push-in & turn-off" (acc. to DIN 60352-4) Insulation displacement contacts-IDC
Solenoid	Tag configuration (acc. to DIN 43650, Form A)
Cable diameter	5.6 up to 8.5 mm (with PG 13.5)
Conductor cross section	0.75 up to 1.5 mm²
Poles	2-pole and protection earth
Cable outlet	1 x PG 13.5 3-pole upwards
Nominal voltage	0 up to 250 V standard, others see ordering chart
Functional display	LED, red
Insulation group	C
Rating	IP67
Max. continuous current	6 A without wiring

EaseOn cable plug:



Dimensions [mm]



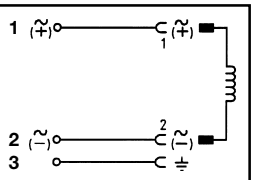
Specifications - Ordering Chart (Other Versions on Request)

All cable plugs are supplied with 2 poles and protective earth, mounting screw M 3.0 x 30 mm and gasket.

Circuitry	Voltage	Max. current	Item No.
No circuitry	0.0 - 250.0 V AC/DC	6 A	138 790 G
With LED	12.0 V DC - 24.0 V AC/DC	6 A	138 791 V
With LED, varistor and rectifier	12.0 - 24.0 V AC/DC	1 A	138 795 Z
With LED, varistor and rectifier	100.0 - 120.0 V AC/DC	1 A	138 796 S
With LED, varistor and rectifier	200.0 - 240.0 V AC/DC	1 A	138 797 T
With LED and varistor	12.0 V DC - 24.0 V AC/DC	6 A	138 792 W
With LED and varistor	100.0 - 120.0 V AC/DC	6 A	138 793 X
With LED and varistor	200.0 - 240.0 V AC/DC	6 A	138 794 Y
With LED, pole protection and recovery diode	12.0 - 24.0 V DC	1 A	138 798 C

Wiring Diagrams - Connection Specifications

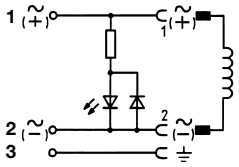
Without wiring (Standard)



Voltage	Max. continuous current	Order-No.
0 – 250 V AC/DC	6 A	138 790 G

With LED, to indicate switched position

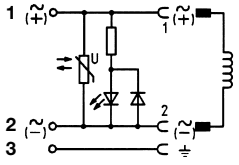
In case of DC voltage ensure correct polarity!



Voltage	Max. continuous current	Order-No.
12 V DC* / 24 V AC/DC	6 A	138 791 V

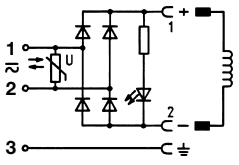
With LED and varistor, to protect the LED in case of voltage transients

In case of DC voltage ensure correct polarity!



Voltage	Max. continuous current	Order-No.
12 V DC* / 24 V AC/DC	6 A	138 792 W
100 - 120 V AC/DC	6 A	138 793 X
200 - 240 V AC/DC	6 A	138 794 Y

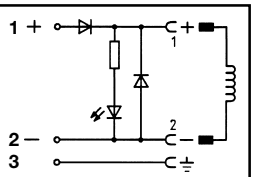
With rectifier, LED and varistor, to protect the LED in case of voltage transients



Voltage	Max. continuous current	Order-No.
12 - 24 V AC/DC	1 A	138 795 Z
100 - 120 V AC/DC	1 A	138 796 S
200 - 240 V AC/DC	1 A	138 797 T

With pole protection, Recovery diode and LED for intrinsically safe circuits

In case of DC voltage ensure correct polarity!



Voltage	Max. continuous current	Order-No.
12 - 24 V DC	1 A	138 798 C

* The alternative current (AC) is half wave rectified. Therefore, the power supply for the LED is available only in a half periode. At 12 V AC, this power is not sufficient to lighten the LED fully.

Cable Plug acc. to DIN 43650, Form A

Type 2512

EaseOn Technology