Cable Plug acc. to DIN 43650, Form C

EaseOn Technology

Type 2510

32.5 mm Width; 8.0 mm Contact Clearance; 0 - 250 V

Advantages/Benefits

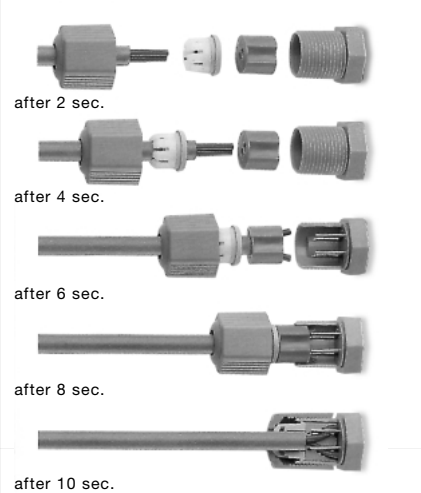
- **EaseOn Technology "push-in & turn-off"**
- **Optional versions with LED, varistor and rectifier**
- **Easy and fast electrical installation**
- **Protection class IP67**

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 C), please see data sheet Type 2506.

For AS-i Bus, please see data sheet Type 2510/11 AS-i Bus versions.

Applications

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

EaseOn Technology for cable plug equivalent to type 2506.

Tag configurations according to DIN 43650, form C.

bürkert
Easy Fluid Control Systems

Cable Plug acc. to DIN 43650, Form C

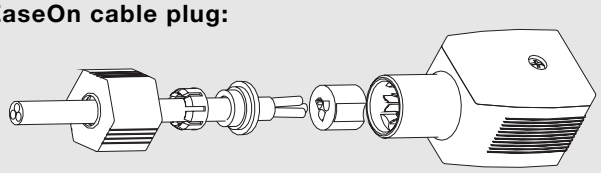
Type 2510

EaseOn Technology

Technical data type 2510 – General

Materials	
Body	Polyamide PA
Cover	Polyamide PA (without LED) Polysulfone (with LED)
Contacts	Brass, electro silverplated (Contact distance: 8 mm)
Isolation	
between cable plug & coil	NBR gasket 1.5 mm

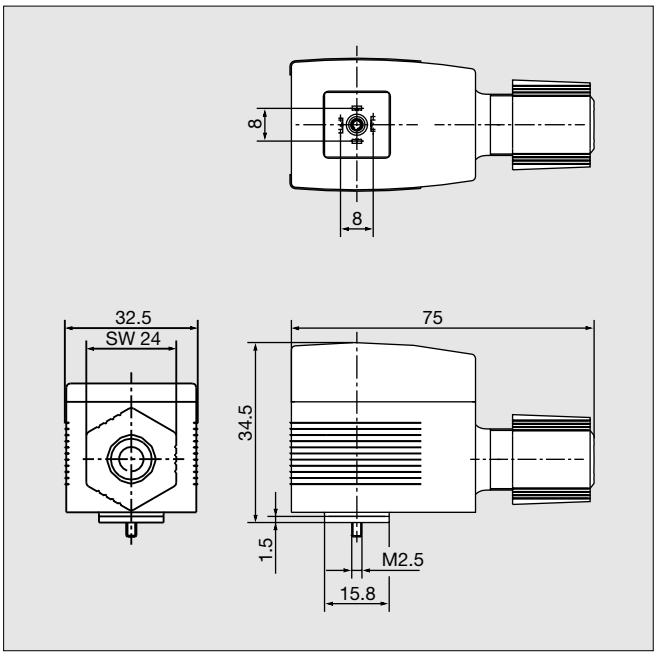
EaseOn cable plug:



Normal EaseOn version

Contact resistance	5 mΩ
Continuous limit temperature	+90°C
Functional display	LED, yellow (optional)
Insulation group	C
Protection class	IP 65
Max. continuous current	see ordering chart
Electrical connection	EaseOn (acc. to DIN 60352-4)
Cable	"push-in & turn-off" (insulation displacement)
Solenoid	tag connectors (acc. to DIN 43650, form C)
Cable diameter	
PG 11	5.6 up to 8.0 mm
PG 13.5	5.6 up to 8.5 mm
Conductor cross section	0.75 up to 1.5 mm²
(*on request:)	*0.34 up to 0.75 mm²
Cable material	Use ONLY cables with PVC or PE insulation
Standard poles	2 pole + protective earth
Standard cable outlet	1 x PG 13.5 3 pole up or downwards

Dimensions [mm]



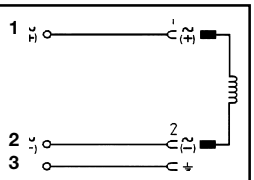
Specifications - Ordering Chart (Other Versions on Request)

All cable plugs are supplied with mounting screw M 2.5 x 35 mm and gasket.

Circuitry	Voltage	Max. current	Item No.
No circuitry	0.0 - 250.0 V AC/DC	6 A	138 782 U
With LED	12.0 V DC - 24.0 V AC/DC	6 A	138 783 V
With LED, varistor and rectifier	12.0 - 24.0 V AC/DC	1 A	138 787 Z
With LED, varistor and rectifier	100.0 - 120.0 V AC/DC	1 A	138 788 A
With LED, varistor and rectifier	200.0 - 240.0 V AC/DC	1 A	138 789 B
With LED and varistor	12.0 V DC - 24.0 V AC/DC	6 A	138 784 W
With LED and varistor	100.0 - 120.0 V AC/DC	6 A	138 785 X
With LED and varistor	200.0 - 240.0 V AC/DC	6 A	138 786 Y

Wiring Diagrams - Connection Specifications

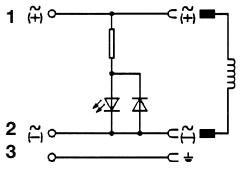
Without wiring (Standard)



Voltage	Max. continuous current	Order-No.
0 – 250 V AC/DC	6 A	138 782 U

With LED, to indicate switched position

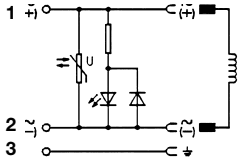
In case of DC voltage ensure correct polarity!



Voltage	Max. continuous current	Order-No.
12 V DC* / 24 V AC/DC	6 A	138 783 V

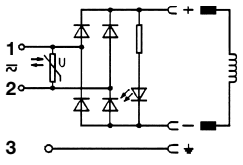
With LED and varistor, to protect the LED in case of voltage transients

In case of DC voltage ensure correct polarity!



Voltage	Max. continuous current	Order-No.
12 V DC* / 24 V AC/DC	6 A	138 784 W
100 - 120 V AC/DC	6 A	138 785 X
200 - 240 V AC/DC	6 A	138 786 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	138 787 Z
100 - 120 V AC/DC	1 A	138 788 A
200 - 240 V AC/DC	1 A	138 789 B

* 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 C

Type 2510

EaseOn Technology