

Cable Plug acc. to DIN EN 175301-803, Form A



- Complete program
- Contact form 18 mm
- Also available with LED indicator
- Optional 4-pin version for pressure switch or impulse valves respectively
- Versions with high-power, power reduction and inverter for impulse valves

Plug for the connection of electrical components according to DIN EN 175301-803 (previously DIN 43650, Form A).

Standard version without circuit, with LED, varistor, rectifier, pole protection- or/and free-wheeling diode.

Variants with HL-circuit to increase performance of solenoid valves, LR-circuit to decrease power consumption and IN-circuit for control of impulse coils.

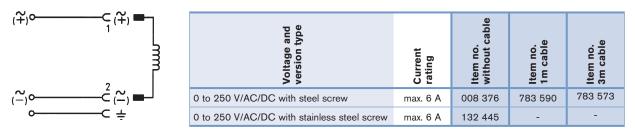
Technical data					
Body material	Polyamide, polycarbonate (version with LED)				
Contact material	Brass, silver-plated				
Max. continuous temperature	+90 °C (-10 +55°C by version HL, LR and IN)				
Cable diameter	6 - 7 mm (other diameter on request)				
Cable outlet	Can be rotated through 4 x 90°				
Contact distance	18 mm according to DIN EN 175301-803 (previously DIN 43650, Form A)				
Functional display	LED, colour red (optional), yellow with version HL and LR				
Electrical connection	Screw terminal Max. 1.5 mm²				
Nominal voltage	Depending on version				
Contact resistance	5 mΩ (typ.)				
Protection class	IP 65				
Number of terminals Standard Option	2 pins + protective earth conductor 3 pins + protective earth conductor				



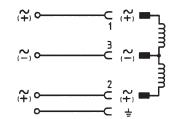


The delivery of a cable plug includes the flat seal and the steel fixing screw (thick-film-passivated); in the case of stainless steel valves we recommend a cable plug with a stainless steel screw (see ordering chart without circuit, or on request)

without circuit

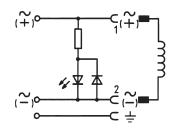


without circuit, 3-pins + protective earth conductor



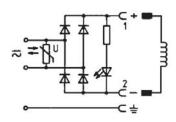
Voltage	Current rating	ltem no. without cable	ltem no. 1m cable	ltem no. 3m cable
0 to 250 V/AC/DC	max. 6 A	008 526	-	-

with LED



Voltage	Current rating	ltem no. without cable	ltem no. 1m cable	ltem no. 3m cable
12 to 24 V/AC/DC	max. 6 A	008 360	783 574	783 575
100 to 120 V/AC/DC	max. 6 A	008 361	-	-
200 to 240 V/AC/DC	max. 6 A	008 362	783 576	783 577

with rectifier, LED and varistor

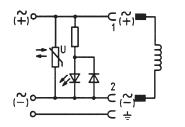


Voltage	Current rating	ltem no. without cable	ltem no. 1m cable	ltem no. 3m cable
12 to 24 V/AC/DC	max. 1 A	008 363	-	-
100 to 120 V/AC/DC	max. 1 A	008 365	-	-
200 to 240 V/AC/DC	max. 1 A	008 366	-	-



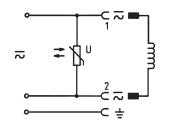
Included in delivery is a connector with flat seal and fixing screw.

with LED and varistor



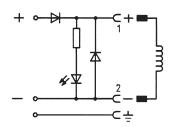
Voltage	Current rating	Item no. without cable	ltem no. 1m cable	ltem no. 3m cable
12 to 24 V/AC/DC	max. 6 A	008 367	783 578	783 579
100 to 120 V/AC/DC	max. 6 A	008 368	783 580	783 581
200 to 240 V/AC/DC	max. 6 A	008 369	783 582	783 583

with varistor



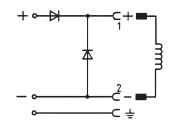
Voltage	Current rating	ltem no. without cable	ltem no. 1m cable	ltem no. 3m cable
12 to 24 V/AC/DC	max. 6 A	008 370	783 584	783 585
100 to 240 V/AC/DC	max. 6 A	008 372	-	-

with pole protection, free wheeling diode and LED



Voltage	Current rating	ltem no. without cable	ltem no. 1m cable	ltem no. 3m cable
12 to 24 V/DC	max. 1 A	008 373	783 586	783 587

with pole protection and free wheeling diode



with rectifier and varistor

	Voltage	Current rating	ltem no. without cable	ltem no. 1m cable	ltem no. 3m cable
J	12 to 240 V/AC/DC	max. 1 A	008 374	-	-

Note: For cable plug with ASI, or high power electronic for AC, please see datasheet for Type 2511.

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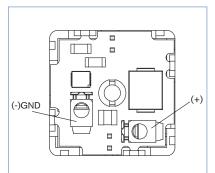
DTS 1000010987 EN Version: J Status: RL (released | freigegeben | validé) printed: 20.01.2015





The delivery of a cable plug includes the flat seal and the steel fixing screw (thick-film-passivated); in the case of stainless steel valves a cable plug with a stainless steel screw is recommended (on request).

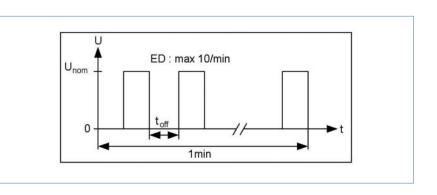
With high power electronics Type 2508 HL



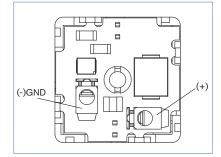
The high power electronics Type 2508HL increases the output of single solenoid valves. The high inrush power is generated by overexcitation. The adjustable pressure can be thus considerably extended. After switching the valve the electronic decreases to a small holding capacity. Also thereby power absorption and coil temperature in continuous operation can be much reduced. In holding operation the function is displayed by a yellow LED.

Suitable solenoid coils must be used for the respective valve supply voltage. Please contact your nearest Bürkert Sales Office for more information.

Technical data		Item no.
Operating voltage Unom	12-24 VDC Supply voltage acc. to IEC 364-4-41 (PELV)	
Max. current	3A (inrush), 0.2A (holding operation)	
Inrush power (4xP _{nom}) depending on valve	max. 72W at 24V (36W at 12V)	
Nom. holding current (1/4xP _{nom}) depending on valve	max. 4.5W at 24V (2.25W at 12V)	212 510
Pull-in time	approx. 350 ms	
Max. duty cycle ED	10/min	
OFF-Time t _{off} between two switching operations	min. 1 sec	

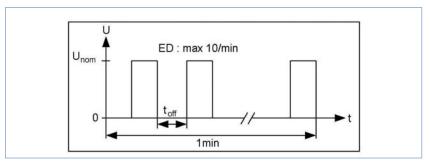


With power reduction Type 2508 LR



The electronics Type 2508 LR is used for power reduction of solenoid valves. Therewith the power consumption and the coil temperature can be reduced considerably e.g. with continuous operation. The inrush power conforms at this juncture to the nominal power of the coil. After switching the valve the electronic decreases to a small holding capacity. In holding operation the function is displayed by a yellow LED.

Technical data		Item no.
Operating voltage Unom	12-24 VDC Supply voltage acc. to IEC 364-4-41 (PELV)	
Max. current	1.5A (inrush), 0.4A (holding operation)	
Inrush power (P _{nom}) depending on valve	max. 36W at 24V (18W at 12V)	
Nom. holding current (1/4xP _{nom}) depending on valve	max. 9W at 24V (4.5W at 12V)	212 511
Pull-in time	approx. 350 ms	
Max. duty cycle ED	10/min	
OFF-Time t _{off} between two switching operations	min. 1 sec	

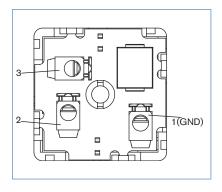






The delivery of a cable plug includes the flat seal and the steel fixing screw (thick-film-passivated); in the case of stainless steel valves a cable plug with a stainless steel screw is recommended (on request).

With inverter electronics Type 2508 IN

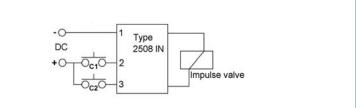


The inverter electronics Type 2508 IN is used to control impulse valves with reverse polarity control by means of 3 control signals (ON, OFF and GND). The switching occurs by reversing the polarity of the valve supply voltage.

Please contact your nearest Bürkert sales office with regard to suitable magnetic coils.

3				2° 0
1	2	3	PIN1	PIN2
GND	+ DC	-	+ DC	GND
GND	-	+ DC	GND	+ DC
GND	+ DC	+ DC	+ DC	+ DC
GND	-	-	-	-

Technical dataItem no.Operating voltage Unom6-24 VDC
Supply voltage acc. to IEC 364-4-41 (PELV)212 512Max. coil current0.6 A (100% ED); 1.2 A (50% ED);
300 ms (at >0.6A)300 ms (at >0.6A)



2508



gasket

versions varistor, pole protection- and/or free wheeling diode

versions HL, LR and IN with transparent cover (polyamide)

contact insert pan screw M3 X 30

cover

Seal

union nut

gasket

(without LED) with black cover (polyamide)

Further versions on request

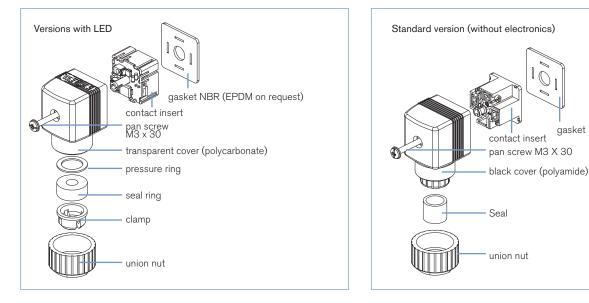
Material

with EPDM or Silikon flat seal

Additional

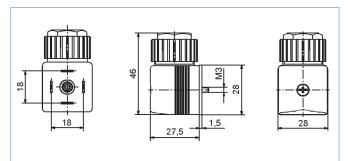
Versions with 1 or 3 m cable For other cable diameter With blue coloured union nut for intrinsically safe solenoid valves Connector for aggressive ambient with polypropylene

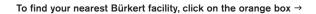
Mounting Instructions



- remove contact insert from cover
- insert cable through union nut
- wire cable according to connection plan
- replace contact insert
- screw-on union nut
- push gasket on tag connectors
- push cable plug firmly onto tags
- secure with pan screw M3 x 30

Dimensions [mm]





www.burkert.com

In case of special application conditions, please consult for advice.

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