Surge protection base element - PT 2XEX(I)-BE - 2839279

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Base element for protective plug PT with protective circuit for two 2-core floating EEx ia signal circuits. Mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

Why buy this product

- Plugs can be checked with CHECKMASTER
- Maximum ease of maintenance thanks to the two-piece design
- Base element remains an integral part of the installation
- Tailored to the special requirements of intrinsically safe circuits
- Consistent plug-in signal circuit protection
- Impedance-neutral disconnection of plug for test and maintenance purposes

Key Commercial Data

Packing unit	10 STK
GTIN	4 017918 182885
GTIN	4017918182885

Technical data

Dimensions

Height	90 mm
Width	17.7 mm
Depth	51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP20

General

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Technical data

General

Housing material	PA 6.6
Flammability rating according to UL 94	V-0
Color	sky blue RAL 5015
Mounting type	DIN rail: 35 mm
Type	Base element, DIN rail mounting
Number of positions	4

Protective circuit

Nominal voltage U_N	24 V DC
Maximum continuous voltage U_C	30 V DC
	21 V AC
Rated current	325 mA (≤40 °C)
Resistance in series	2.2 Ω ±10 %
Surge protection fault message	none
Max. required back-up fuse	315 mA (T)

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12

Standards and Regulations

Standards/specifications	EN 61643-21 A2:2013
	EN 60079-0 2012
	EN 60079-11 2012
	EN 60079-26 2007
	IEC 60079-0 2011
	IEC 60079-11 2011
	IEC 60079-26 2006

General

Maximum inner capacitance C_i	1.3 nF
Max. internal inductance L_i	1 µH
Maximum inner time factor (R_i/L_i)	≤ 0.2 µs
Max. input current I_i	325 mA (T4 / ≤ 80°C)
	325 mA (T5 / ≤ 55 °C)
	325 mA (T6 / ≤ 40 °C)
max. input voltage U_i	30 V DC

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Technical data

General

max. input power P_i	3 W
Ambient temperature (operation)	-40 °C ... 80 °C (T4)
	-40 °C ... 55 °C (T5)
	-40 °C ... 40 °C (T6)

Conformity / approvals

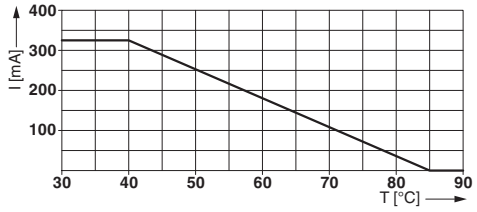
ATEX	# II 1 G Ex ia IIC T4...T6
	# II 1 D Ex iaD 20 IP6x T85 °C...135 °C

Environmental Product Compliance

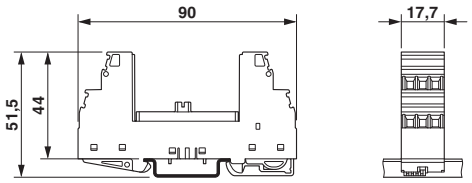
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

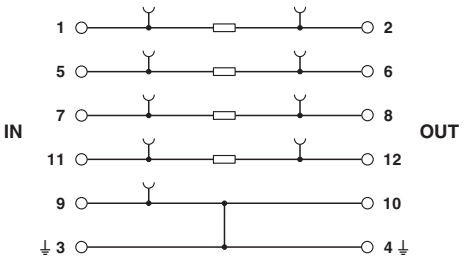
Diagram



Dimensional drawing



Circuit diagram



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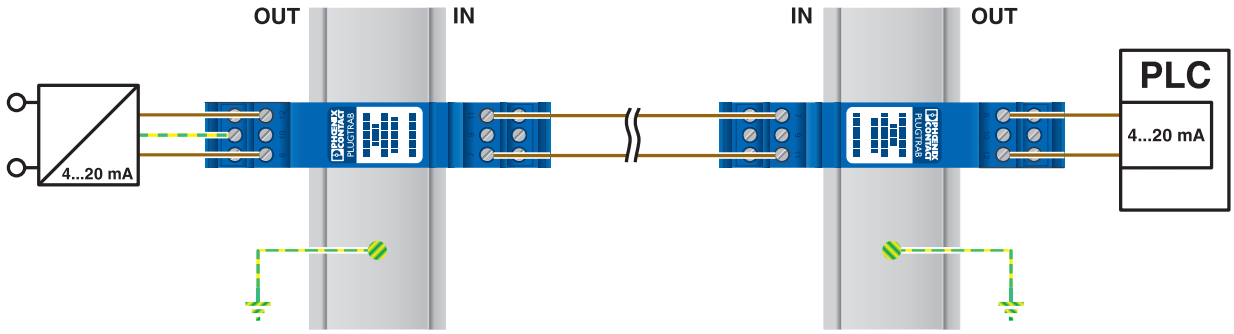
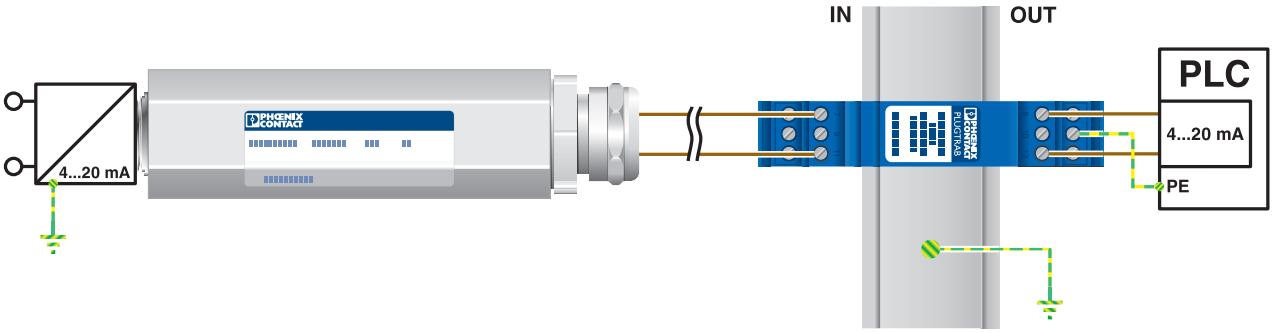
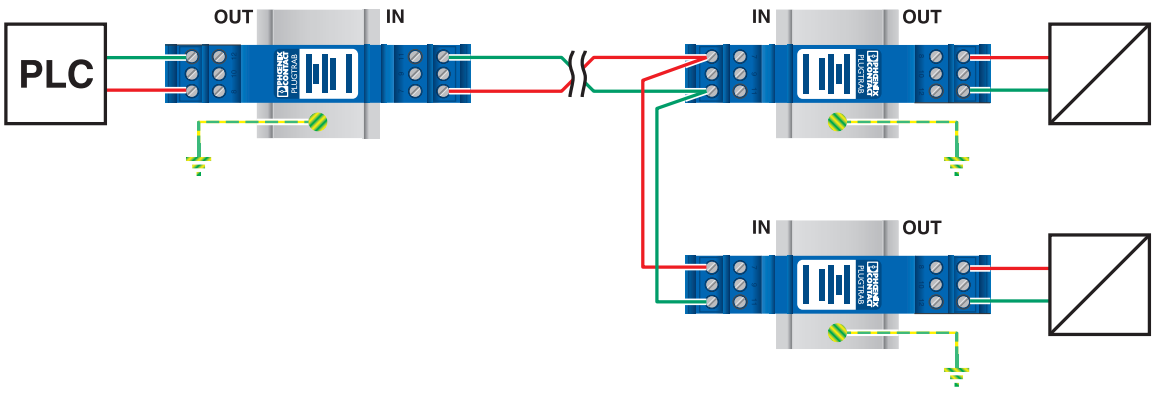
Application drawing



Application drawing



Application drawing



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Approvals

Approvals

Approvals

UL Listed / EAC / EAC / DNV GL

Ex Approvals

UL Listed / cUL Listed / ATEX / IECEx / INMETRO / cULus Listed

Approval details

UL Listed	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 138168
EAC		EAC-Zulassung
EAC		RU C-DE.A*30.B01561
DNV GL	http://exchange.dnv.com/tari/	TAE00001N6

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