

AS-Interface splitter box

VAZ-2T1-FK-G10-PTC-1M-PUR-V1-G

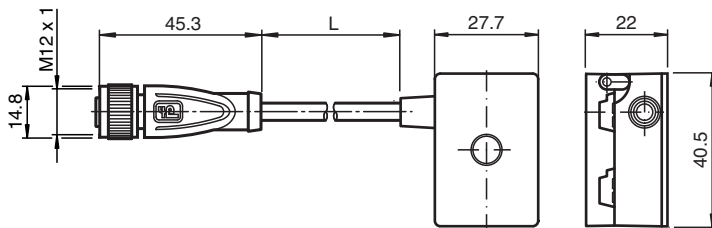


- One piece housing
- Simple and fast mounting
- Electronic current limitation with LED display
- Gold-plated and machined contacts
- Oil and abrasion resistant PUR line appropriate for drag chains
- Immunity to vibration
- Degree of protection IP68 / IP69K
- Halogen-free

G10 junction block, LED status indication, AS-Interface, and auxiliary power to 1x M12 round plug connector



Dimensions



Technical Data

General specifications		
Construction type		Socket, straight Flat cable terminals AS-Interface/ext. auxiliary voltage
UL File Number		E223772 "For use in NFPA 79 Applications only"
Indicators/operating means		
LED Overload		Overload display output; red LED red: overload output
LED PWR		Operating voltage LED green Green: voltage OK
Electrical specifications		
Rated operating voltage	U _e	10 ... 32 V PELV (AS-Interface , ext. auxiliary voltage AUX)
Protection class		III
Short-circuit current	I _k	max. 40 A
Surge protection		overvoltage category III
Output		
Current loading capacity		1.6 A (40 °C) per output
Response delay		approx. 4 s @ 8 A

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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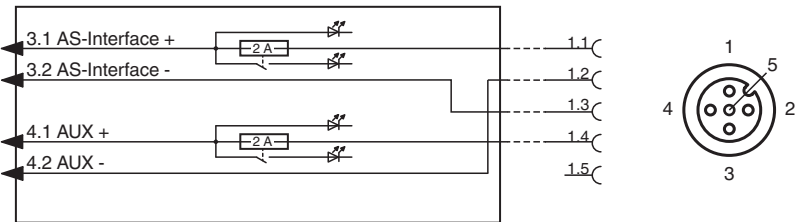
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Technical Data

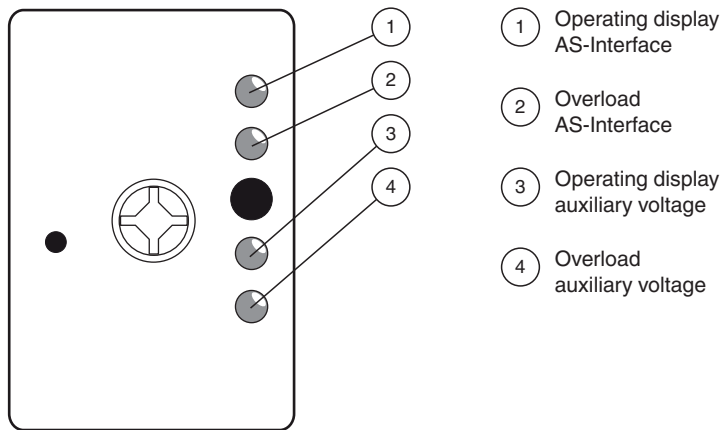
Voltage drop	U _d	0.8 V at 2 A ; 0.3 V at 0.5 A
Compliance with standards and directives		
Directive conformity		
EMC Directive 2004/108/EC		EN 61000-6-2:2005, EN 61000-6-4:2007
Standard conformity		
Noise immunity		EN 61000-6-2:2005
Emitted interference		EN 61000-6-4:2007
Degree of protection		EN 60529:2000
Fieldbus standard		EN 50295:1999, IEC 62026-2:2008
Approvals and certificates		
UL approval		cULus Listed, Type 1 enclosure
Maximum permissible ambient temperature		max. 55 °C (max. 131 °F)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Degree of protection		IP67 IP67 / IP68 / IP69K with flat cable VAZ-FK-S-*
Connection		Flat cable AS-Interface: cable piercing method Flat cable ext. auxiliary voltage U _{AUX} : Insulation penetration technology Plug connection: M12 x 1 socket (V1)
Material		
Contacts		CuSn / Au
Housing		PBT PC
Body		PUR, black
Cable		PUR
Mounting screw		Stainless steel 1.4305 / AISI 303
Cable		
Sheath diameter		Ø4,3 mm
Color		black
Cores		4 x 0.34 mm ²
Length	L	1 m
Mass		100 g
Tightening torque, fastening screws		1.65 Nm
Tightening torque, cable gland		0.4 Nm

Connection

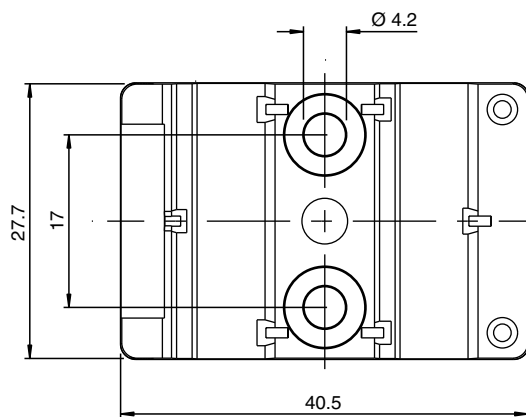


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Assembly



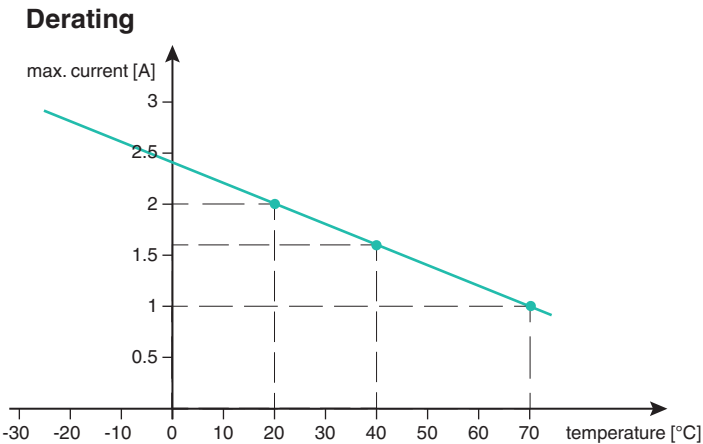
Mounting



You may screw the device onto a level mounting surface using two M4 attachment screws. The attachment screws are not included.

Characteristic Curve

The current loading capacity of the splitter box is depending on the temperature.



After persistent or frequent short-circuits the internal fuse may open at a lower current.

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