



Model number

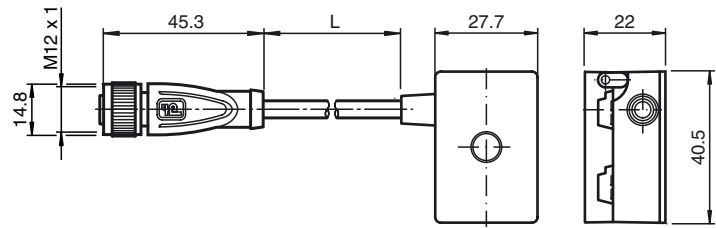
VAZ-2T1-FK-G10-F-1M-PUR-V1-G

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

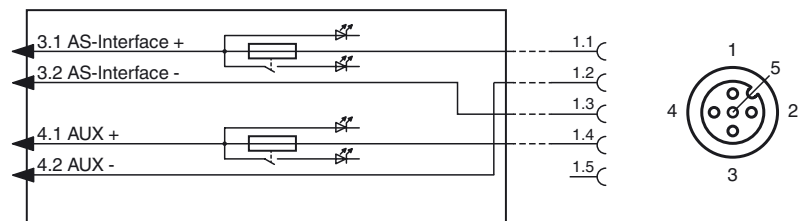
Features

- One piece housing
- Simple and fast mounting
- Fuses 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

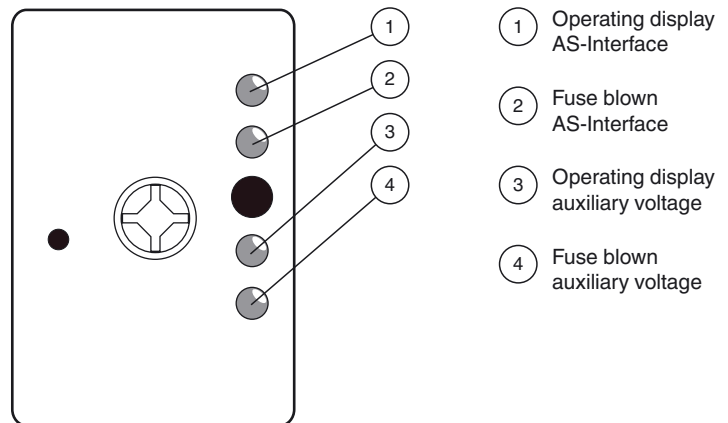
Dimensions



Electrical connection



Indicating / Operating means



- 1 Operating display AS-Interface
- 2 Fuse blown AS-Interface
- 3 Operating display auxiliary voltage
- 4 Fuse blown auxiliary voltage

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"

Functional safety related parameters

MTTF _d	825 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

LED FAULT	LED red: Fuse unit blown
LED PWR	LED green: normal operation

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. 50 A

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

Surge protection	U _g : Over voltage category III, safe isolated power supplies (PELV)	
Output		
Current loading capacity	Rated current of the fuse: 1.6 A Continuous operation: 1.2 A	
Voltage drop	U _d	≤ 0.4 V
Overload protection	Fuse acc. to UL248-1, UL248-14	
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	black PUR	
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	75 g	
Tightening torque, fastening screws	1.65 Nm	
Tightening torque, cable gland	0.4 Nm	
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	
Approvals and certificates		
UL approval	cULus Listed, Type 1 enclosure	
Maximum permissible ambient temperature	≤ 55 °C (≤ 131 °F)	

Notes

Mounting instructions

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

