

Features

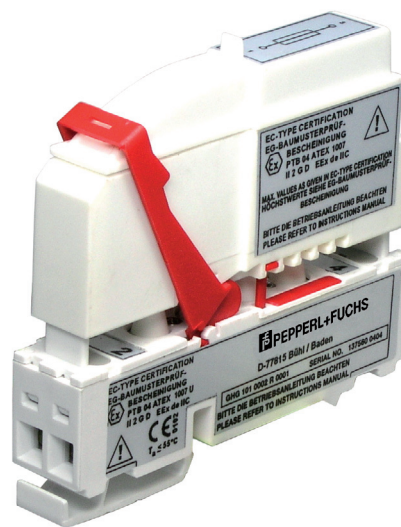
- Suitable for fusing solenoids, alarm indicators, sounders etc, and diode decoupling of power supplies
- Simple OR gate for zone 1 mounting, visible separation for field devices, relay switches
- Bus termination
- Current limiting
- DIN rail mounting
- Maintenance without hot work permit
- Wires can be disconnected during operation once the module has been removed (parts under voltage remain covered)

Function

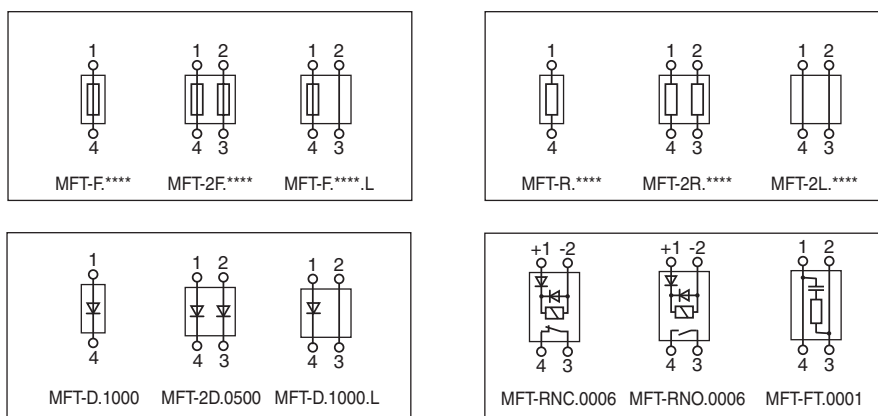
The multifunction terminal allows maintenance without a hot work permit in a hazardous area.

It employs a 2-step removal process, which guarantees that a potentially formed ignition spark remains inside the flameproof enclosure when lifting off a module and thus makes sure that the ignition spark has extinguished and the module is volt-free.

Assembly



Connection



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

General specifications	
Number of pins	
Electrical specifications	
Resistor	1 x 1 Ω ... 22 MΩ, 0.5 W 2 x 1 Ω ... 22 MΩ, 0.5 W
Diode	1 x I ≤ 1 A 2 x I ≤ 0.5 A
Fuse	0.032 ... 1.5 A 1.5 ... 6.3 A
Nominal voltage	≤ 250 V AC ≤ 30 V DC
Relay	
Control	24 V , approx. 5 ... 8.5 mA
Contact loading	AC ≤ 250 V , ≤ 1 A DC ≤ 30 V , ≤ 1 A
Contact resistance	0.1 Ω at 6 V, 1 A
Switching operations NO contact	3 x 10 ⁴
Switching operations NC contact	1 x 10 ⁴
Conformity	
Degree of protection	IEC 60529
Ambient conditions	
Ambient temperature	-55 ... 55 °C (-67 ... 131 °F) (I _m = 1.5 ... 6.3 A) -55 ... 70 °C (-67 ... 158 °F) (I _m = 0.032 ... 1.5 A)
Mechanical specifications	
Core cross-section	0.5 ... 2.5 mm ²
Degree of protection	IP20
Mass	approx. 115 g , depending on model
Dimensions	80 x 93 x 17.5 mm (3.15 x 3.66 x 0.69 inch)
Data for application in connection with Ex-areas	
EC-Type Examination Certificate	PTB 07 ATEX 1004 U
Group, category, type of protection	Ⓔ II 2 G Ex d e IIC
Directive conformity	
Directive 94/9/EC	EN 60079-0:2009 EN 60079-1:2007 EN 60079-7:2007
International approvals	
IECEx approval	BKI 08.0008U
Approved for	Ex d e IIC Gb
EAC approval	Russia: RU C-IT.MIII06.B.00129
Marine approval	
Lloyd Register	15/20021
DNV GL Marine	TAA0000034
American Bureau of Shipping	T1450280/UN
Bureau Veritas Marine	22449/B0 BV
General information	
Ordering information	Customer-specific resistance values available. Minimum order quantity 25 pieces.
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

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Ordering Information

Function	Order Code	Variants	Additional Requirements	Ambient Temperature	
				-55 ... +55 °C	-55 ... +70 °C
Multi Function Modules					
1 resistor		MFT-R.****	max. 0.5 W		X
2 identical resistors	MFT-2R.1000	MFT-2R.****		X	
customer-specific resistors			minimum order quantity 25 pieces		
1 diode	MFT-D.1000	MFT-D.****	diode 230 V, 1 A	X	
1 diode + 1 jumper	MFT-D.1000.L	MFT-D.****.L	diode 230 V, 1 A	X	
2 diodes	MFT-2D.0500	MFT-2D.****	diodes 230 V, 0.5 A	X	
1 fuse	MFT-F.0315	MFT-F.****	max. 1.5 A		X
			> 1.5 A	X	
1 fuse + 1 jumper	MFT-F.1000.L	MFT-F.****.L	max. 1.5 A		X
			> 1.5 A	X	
2 identical fuses	MFT-2F.0500	MFT-2F.****	max. 2 x 3.15 A	X	
2 jumpers	MFT-2L.1600	MFT-2L.****			X
bus terminator PA, FF	MFT-FT.0001				X
NO	MFT-RNO.0006		relay 230 V, 1 A		-40 ... 70 °C
NC	MFT-RNC.0006		relay 230 V, 1 A		-40 ... 70 °C
Sockets					
2-pin	MFT-BASE.2P				X
4-pin	MFT-BASE.4P				X

Note: sockets must be ordered separately.