

Features

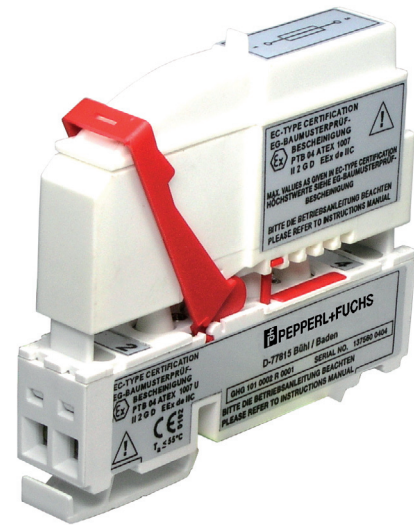
- Suitable for fusing solenoids, alarm indicators, sounders etc, and diode decoupling of power supplies
- Simple OR-gate for zone 1 mounting, visible separation for field devices, relay switches
- Bus termination
- Current limiting
- DIN rail mounting
- Maintenance without hot work permit
- Wires can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

Function

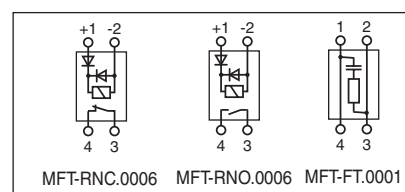
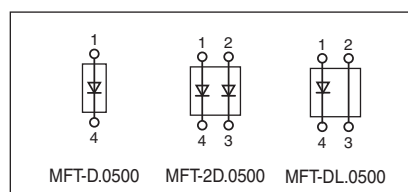
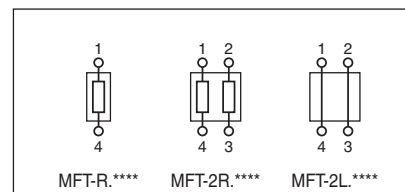
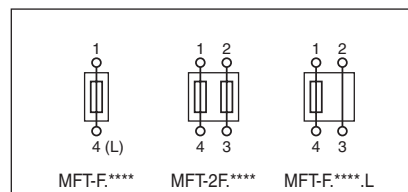
The multi function terminal allows maintenance without a hot work permit in a hazardous area.

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



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 ≤ 0.5 A 2 x I ≤ 1 A
Fuse	0.032 ... 1.5 A 1.5 ... 6.3 A
Nominal voltage	250 V , (≤ 400 V AC/DC on request)
Relay	
Control	24 V , approx. 5 ... 8.5 mA
Contact loading	AC ≤ 250 V , ≤ 6 A . DC ≤ 30 V , ≤ 1 A
Contact resistance	0.1 Ω at 6 V, 1 A
Switchings normally open contact	5 x 10 ⁴
Switchings rest contact	3 x 10 ⁴
Conformity	
Protection degree	IEC 60529
Ambient conditions	
Ambient temperature	Details see ordering information
Mechanical specifications	
Protection degree	IP20
Mass	approx. 115 g , depending on model
Dimensions	80 x 93 x 17.5 mm (3.15 x 3.66 x 0.69 in)
Data for application in conjunction with hazardous areas	
EC-Type Examination Certificate	PTB 07 ATEX 1004 U
Group, category, type of protection	⊕ II 2 G Ex de IIC
Directive conformity	
Directive 94/9/EC	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2003
General information	
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 .

Ordering Information

Function	Order Code	Variants	Add. Requirements	Ambient Temperature	
				-20 ... 55 °C	-20 ... 70 °C
1 Resistor		MFT-R.****	max. 0.5 W		X
2 Identical Resistors	MFT-2R.1000	MFT-2R.****		X	
1 x Diode	MFT-D.0500	MFT-D.****	Diodes 230 V, 0.5 A	X	
2 x Diode	MFT-2D.0500	MFT-2D.****	Diodes 230 V, 0.5 A	X	
1 Diode + 1 Jumper	MFT-DL.0500	MFT-DL.****	Diodes 230 V, 0.5 A	X	
1 Fuse	MFT-F.0315	MFT-F.****	max. 4 A		X
1 Fuse			> 4 A	X	
2 Identical Fuses	MFT-2F.0500	MFT-2F.****	max. 2 x 3.15 A	X	
1 Fuse + 1 Jumper	MFT-F.1000.L	MFT-F.****.L	max. 4 A		X
1 Fuse + 1 Jumper		MFT-F.****.L	> 4 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		X
NC	MFT-RNC.0006		Relay 230 V, 1 A		X
Socket					
2-pole, 2-pin	MFT-BASE.2P				X
4-pole, 4-pin	MFT-BASE.4P				X

Note: Modules are being delivered without sockets. Please order separately.