Features

- Fault indication via LED
- Status indication input
- Status indication to control via solid state relay
- Mounting on base module, pluggable

Function

The fault status module indicates that a fault has occurred on one of the monitored protection modules.

The status indication is transmitted to the control via the status indication output. The status indication output is performed via a solid state relay.

The device switches if a fault is detected on one of the monitored protection modules.

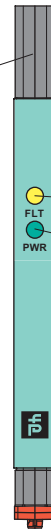The device has LEDs for indicating supply and fault.

The device is plugged onto the base module and, together with the base module, forms the evaluation unit.

The device can be replaced without tools by a locking lever.

Assembly
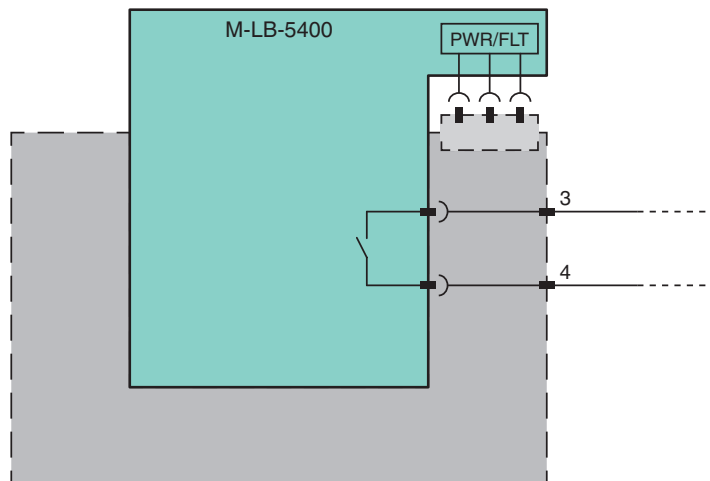
Front view

Connection
Status indication output

LED yellow:
Fault

LED green:
Power supply

FLT

PWR

$C\epsilon$

Connection

M-LB-5400

PWR/FLT

3

4

Zone 2

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

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General specifications	
Signal type	Digital Input
Supply	
Connection	via Universal Power Rail M-UPR-03-S
Nominal voltage	see power feed module M-LB-5300
Electrical specifications	
Power dissipation	0.25 W
Input	
Connection side	field side
Status indication	fault signal via Universal Power Rail M-UPR-03-S
Output	
Connection side	control side
Output type	
Additional functions	
Connection	terminals 3+, 4-; 3-, 4+
Output rated operating current	0.5 A
Output voltage	30 V AC/DC
Status indication	fault signal via solid state relay (NO contact) to the control system
Contact loading	30 V AC/0.5 A/cos ϕ 0.7; 30 V DC/0.5 A resistive load
Energized/De-energized delay	< 1 s / < 1 s
Galvanic isolation	
Output/power supply	basic insulation according to IEC/EN 61010-1, rated insulation voltage 300 V_{eff}
Indicators/settings	
Display elements	LED PWR (power supply), green LED LED FLT (fault signal), yellow LED
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 (industrial locations)
Conformity	
Degree of protection	IEC 60529:2013
Ambient conditions	
Ambient temperature	-40 ... 60 °C (-40 ... 140 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	max. 95 % , without condensation
Mechanical specifications	
Degree of protection	IP20
Mass	approx. 20 g
Dimensions	6.2 x 77 x 79 mm
Mounting	pluggable in base module for mounting on 35 mm DIN mounting rail
Data for application in connection with hazardous areas	
Certificate	BVS 17 ATEX E 070 X
Marking	⟨Ex⟩ II 3G Ex ec IIC T4 Gc
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2012+A11:2013 , EN 60079-7:2015
International approvals	
IECEx approval	
IECEx certificate	IECEx BVS 17.0061X
IECEx marking	Ex ec IIC T4 Gc
General information	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com.
Accessories	
Designation	system components: - base module with screw terminals M-LB-5000 - base module with spring terminals M-LB-5000.SP - protection module M-LB-XX-52XX - power feed module M-LB-5300 - fault status module M-LB-5400 - maintenance status module M-LB-5500 - Universal Power Rail M-UPR-03-S - insulation spacer M-UPR-I

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

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