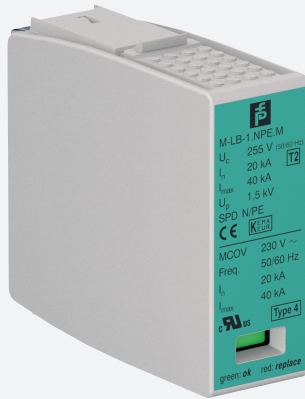




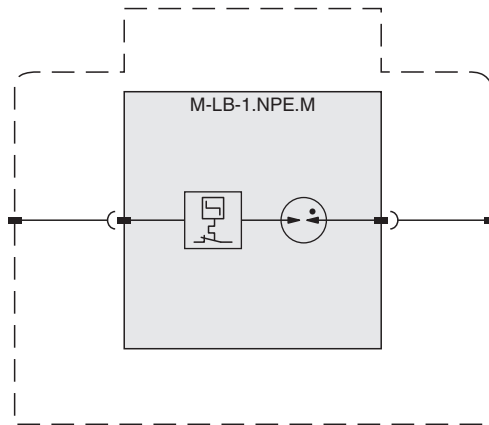
Protection Module for Surge Protection Barrier

M-LB-1.NPE.M

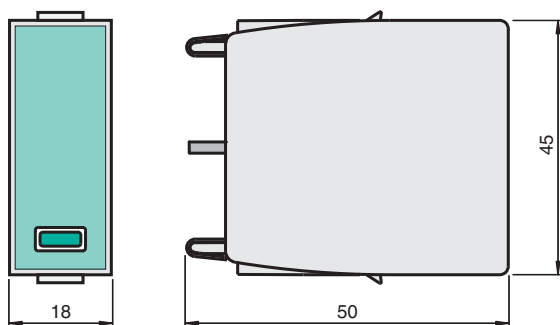
- Protection module for 1 supply line
- Type 2 acc. to EN 61643-11
- Exchange device for surge protection barrier M-LB-*.275TT.D
- Easy replacement of protection modules without tools
- High discharge capacity
- Module can be exchanged under voltage (hot swap)



Connection



Dimensions



Technical Data

General specifications

Device type	Type 2 acc. to EN 61643-11 Class II acc. to IEC 61643-11
Number of protected supply lines	1

Electrical specifications

Release date: 2026-08-21 Date of issue: 2026-08-21 Filename: 70172494_eng.pdf

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

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PEPPERL+FUCHS

Technical Data

Maximum continuous operating voltage	U _c	255 V AC
Nominal discharge current (8/20 μs)	I _n	20 kA
Max. surge current (8/20 μs)	I _{max}	40 kA
Indicators/settings		
Display elements		status display operating state (green) fault indication (red)
Directive conformity		
Low voltage		
Directive 2014/35/EU		EN 61643-11:2012
Conformity		
Degree of protection		IEC 60529
Shock resistance		EN 60068-2
Vibration resistance		EN 60068-2
Ambient conditions		
Ambient temperature		-40 ... 80 °C (-40 ... 176 °F)
Mechanical specifications		
Degree of protection		IP20
Material		
Housing		thermoplastic, color grey , UL 94 V-0
Mass		approx. 50 g
Dimensions		18 x 45 x 50 mm (0.7 x 1.8 x 2 inch) (W x H x D) , 1 TE acc. to DIN 43880
Mounting		in the surge protection barrier M-LB-*,****,*
International approvals		
UL approval		E346845
General information		
Supplementary information		Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .