

PART NO: KM-DM-048/1-RB

TYPE: Surge current arrester for data, signal and telecomms

DESCRIPTION: Coarse and fine surge protection for 2 core telecommunications and signalling networks.
Use to protect RS-485 instrumentation and control lines, electronic security and fire detection systems.
Install close to equipment for protection of communication interfaces.

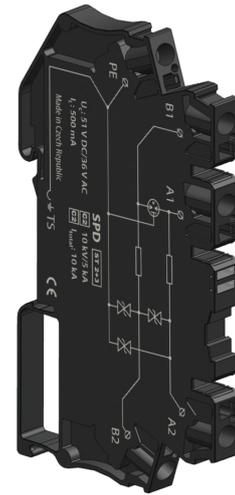
RATING: 48V DC nominal voltage

Standards

EN 61643-11 (surge protection devices).

Type: C2, C3

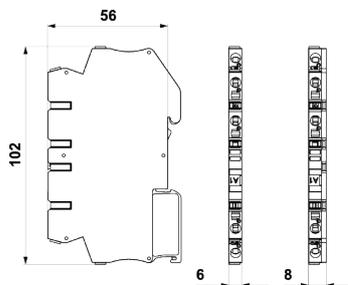
Location: ST 2+3



Electrical specification

Order number	KM-DM-048/1-RB	
Connection (input - output)	screwless terminals - screwless terminals	
Nominal voltage	U_n	48V DC
Maximum operating voltage (AC/DC)	U_c	36V AC/51V DC
Nominal load current	I_L	0.5A
C2 Nominal discharge current (8/20 μ s) per core	I_n	5kA
C2 Nominal discharge current (8/20 μ s) cores-PE	I_{Total}	10kA
C2 Voltage protection level mode core-core at I_n	U_p	80V
C2 Voltage protection level mode core-PE at I_n	U_p	95V
C3 Voltage protection level mode core-core/core-PE at 1kV/ μ s	U_p	65V
Response time core-core/core-PE	t_a	1ns
Serial resistance per core	R	1.6 Ω
Threshold frequency core-core	f	5MHz
Cross-section of connected conductors (solid) (min - max)	0.08mm ² - 4mm ²	
Cross-section of connected conductors (stranded) (min - max)	0.08mm ² - 2.5mm ²	
Degree of protection	IP20	
Range of operating temperatures (min - max)	-40°C - +70°C	
Mounting	DIN rail 35mm	
According to standard	EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012 / C2, C3	
ETIM Class	EC 001625	
Weight	35g (nett), 60g (gross)	

Dimensions:



Wiring diagram:

