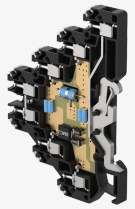
DMHF-015/1-RS

SPD - for data, signalling and telecommunications lines / I&C / Specials - for BUS systems (high speed rate)

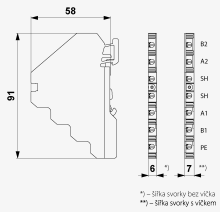
Surge protection for 2-core high-speed floating signalling lines

coupling impedance (resistance), screw terminals

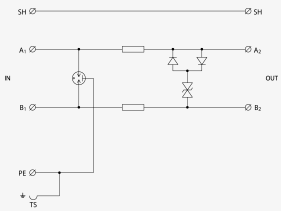
- coarse and fine surge protection for 2-core high-speed signalling lines
- installation close to protected equipment
- for protection of communication interfaces, mainly the RS-485 and RS-232 lines, of I&C, electronic security and fire detection systems, etc. against impact of surge voltage.
- coarse and fine surge protection in differential mode (core – core) and coarse surge protection in common mode (core – PE)



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		C2,C3
Location of SPD		ST 2+3
Mounting		DIN rail 35 mm
Nominal voltage	U_n	15.00 V DC
Maximum operating voltage	U_c	15.00 V AC
Maximum operating voltage	U_c	22.00 V DC
Nominal load current	I_L	0.500 A
Treshold frequency core-core	f	70.00 MHz
Serial resistance per core	R	2.20 Ω
D1 impulse discharge current (10/350 µs) per core	I_{imp}	0.50 kA

D1 total discharge current (10/350 µs) cores-PE	I_{Total}	1.00 kA
C2 nominal discharge current (8/20 µs) per core	I_n	5.00 kA
C2 total discharge current (8/20 µs) cores-PE	I_{Total}	10.00 kA
C2 voltage protection level mode core-PE at In	U_p	350.00 V
C2 voltage protection level mode core-core at In	U_p	36.00 V
C3 voltage protection level mode core-PE at 1 kV/µs	U_p	500.00 V
C3 voltage protection level mode core-core at 1 kV/µs	U_p	28.00 V
Response time core-core	t_a	1 ns
Response time core-PE	t_a	100 ns
Connection (input - output)		terminals-terminals
Cross-section of connected conductors solid (min)		0.14 mm^2
Cross-section of connected conductors solid (max)		4.00 mm^2
Cross-section of connected conductors stranded (min)		0.14 mm^2
Cross-section of connected conductors stranded (max)		2.50 mm^2
Degree of protection		IP 20
Range of ambient temperatures (min/max)		-40 / 70 °C
According to standard		EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012
ETIM Class		EC001625
Customs tariff number		85363010
EAN		8595090551393
Order number		A05139