DMS-048T

SPD - for data, signalling and telecommunications lines / I&C / Specials - limiting current

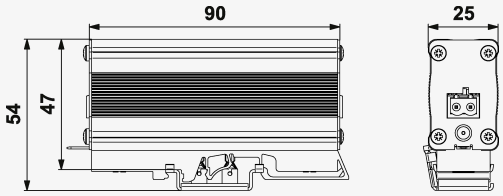
Surge protection with voltage and current limiting

coupling impedance (resistance)

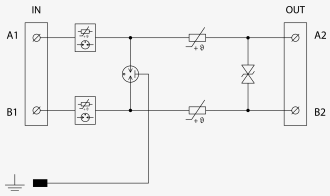
- special two-stage surge protection of 2-core signalling line with current limiting
- installation close to protected equipment
- for protection of communication interfaces, mainly the measuring loops, of I<(>&<)>C, electronic security and fire detection systems, etc. against surge voltage where are long parallel lines with power network
- 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
Location of SPD		ST 2+3
Mounting		DIN rail 35 mm
Nominal voltage	U_n	48.00 V DC
Maximum operating voltage	U_c	39.00 V AC
Maximum operating voltage	U_c	56.00 V DC
Nominal load current	I_L	0.060 A
Treshold frequency core-core	f	1.80 MHz
Serial resistance per core	R	8.00 Ω

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	450.00 V
C2 voltage protection level mode core-core at In	U_p	90.00 V
Response time core-core	t_a	1 ns
Response time core-PE	t_a	100 ns
Connection (input - output)		terminals
Cross-section of connected conductors solid (max)		2.50 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		85363030
EAN		8595090565970
Order number		A06597