

# DMS-048T

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

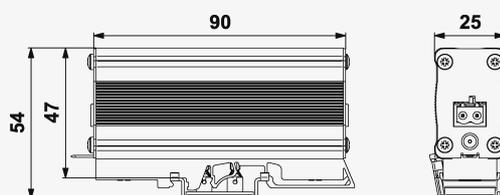
Surge protection with voltage and current limiting

coupling impedance (resistance)

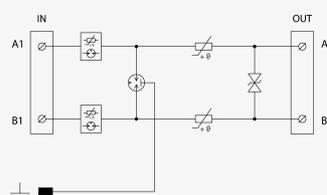
- special two-stage surge protection of 2-core signalling line with current limiting
- installation close to protected equipment
- for protection of communication interfaces, mainly the measuring loops, of I<(>&<)>C, electronic security and fire detection systems, etc. against surge voltage where are 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	<b>C2</b>
Location of SPD	<b>ST 2+3</b>
Mounting	<b>DIN rail 35 mm</b>
Nominal voltage	$U_n$ <b>48.00 V DC</b>
Maximum operating voltage	$U_c$ <b>39.00 V AC</b>
Maximum operating voltage	$U_c$ <b>56.00 V DC</b>
Nominal load current	$I_L$ <b>0.060 A</b>
Treshold frequency core-core	$f$ <b>1.80 MHz</b>
Serial resistance per core	$R$ <b>8.00 <math>\Omega</math></b>

C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$	5.00 kA
C2 total discharge current (8/20 $\mu$ s) cores-PE	$I_{Total}$	10.00 kA
C2 voltage protection level mode core-PE at $I_n$	$U_p$	450.00 V
C2 voltage protection level mode core-core at $I_n$	$U_p$	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 <sup>2</sup>
Cross-section of connected conductors stranded (max)		2.50 mm <sup>2</sup>
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