

# DMHF-015/1-RB

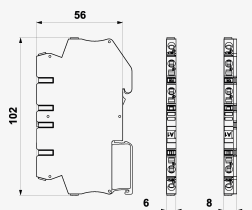
**SPD - for data, signalling and telecommunications lines / I&C / Specials - for BUS systems (high speed rate)**

Coarse and fine surge protection of 2-core high-speed signalling lines  
coupling impedance (R – resistance), screwless terminals

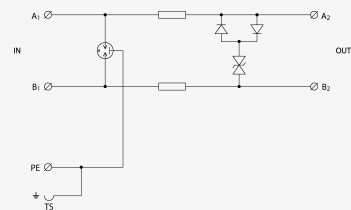
- coarse and fine surge protection of 2-core high-speed signalling lines
- installation close to protected device
- for protection of communication interfaces of I&C, MaR systems, electronic security and fire detection systems, etc. (mainly for RS-485 interfaces) against impact of surge voltage
- coarse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



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		<b>C2,C3</b>
Location of SPD		<b>ST 2+3</b>
Mounting		<b>DIN rail 35 mm</b>
Nominal voltage	<b><math>U_n</math></b>	<b>15 V DC</b>
Maximum operating voltage	<b><math>U_c</math></b>	<b>15.00 V AC</b>
Maximum operating voltage	<b><math>U_c</math></b>	<b>22.00 V DC</b>
Nominal load current	<b><math>I_L</math></b>	<b>0.500 A</b>
Treshold frequency core-core	<b>f</b>	<b>70.00 MHz</b>
Serial resistance per core	<b>R</b>	<b>1.60 <math>\Omega</math></b>
D1 impulse discharge current (10/350 $\mu$ s) per core	<b><math>I_{imp}</math></b>	<b>0.50 kA</b>

D1 total discharge current (10/350 $\mu$ s) cores-PE	$I_{Total}$	1.00 kA
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 $I_n$	$U_p$	350 V
C2 voltage protection level mode core-core at $I_n$	$U_p$	36 V
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	$U_p$	500 V
C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	$U_p$	28 V
Response time core-core	$t_a$	1 ns
Response time core-PE	$t_a$	100 ns
Connection (input - output)	screwless terminals/screwless terminals	
Cross-section of connected conductors solid (min)	0.08 mm <sup>2</sup>	
Cross-section of connected conductors solid (max)	4.00 mm <sup>2</sup>	
Cross-section of connected conductors stranded (min)	0.08 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	85363010	
EAN	8595090562900	
Order number	A06290	