

# DS-B090-RB

## SPD - for data, signalling and telecommunications lines / I&C / Single stage SPD (DS)

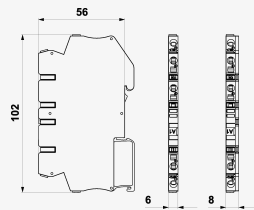
Coarse single stage surge arrester – Gas Discharge Tube

B – Gas Discharge Tube, screwless terminal

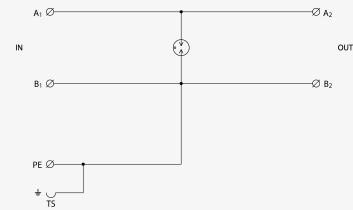
- coarse single stage surge arrester
- for protection of signaling, data and other lines against impact of surge voltage
- usable mainly for the separation of shielding from the protective earth



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	C2
Location of SPD	ST 2
Mounting	DIN rail 35 mm
Maximum operating voltage	$U_c$ 50.00 V AC
Maximum operating voltage	$U_c$ 70.00 V DC
Nominal load current	$I_L$ 10.000 A
C2 nominal discharge current (8/20 $\mu$ s) per core	$I_n$ 10.00 kA
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	$U_p$ 550.00 V
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>

Range of ambient temperatures (min/max)	<b>-40 / 70 °C</b>
According to standard	<b>EN 61643-21+A1,A2:2013, IEC 61643-21+A1,A2:2012</b>
ETIM Class	<b>EC000943</b>
Customs tariff number	<b>85363010</b>
EAN	<b>8595090560708</b>
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