

# DS-B090-RS

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

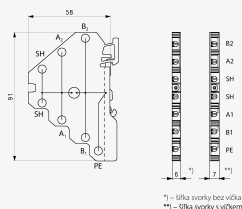
Coarse single stage surge arrester – Gas Discharge Tube

B – Gas Discharge Tube, screw terminal

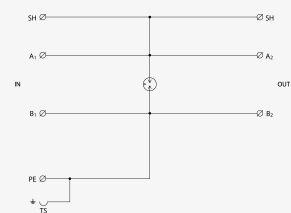
- coarse single stage surge arrester
- for protection of signaling, data and other lines against impact of surge voltage
- usable mainly for the separation of shielding from the protective earth



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	<b>C2</b>
Location of SPD	<b>ST 2</b>
Mounting	<b>DIN rail 35 mm</b>
Maximum operating voltage	<b><math>U_C</math> 50.00 V AC</b>
Maximum operating voltage	<b><math>U_C</math> 70.00 V DC</b>
Nominal load current	<b><math>I_L</math> 16.000 A</b>
C2 nominal discharge current (8/20 $\mu$ s) per core	<b><math>I_n</math> 10.00 kA</b>
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	<b><math>U_p</math> 550 V</b>
Response time core-PE	<b><math>t_a</math> 100 ns</b>
Connection (input - output)	<b>terminals-terminals</b>
Cross-section of connected conductors solid (min)	<b>0.14 mm<sup>2</sup></b>
Cross-section of connected conductors solid (max)	<b>4.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (min)	<b>0.14 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (max)	<b>2.50 mm<sup>2</sup></b>

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	EC000943
Customs tariff number	85363010
EAN	8595090551485
Order number	A05148

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