

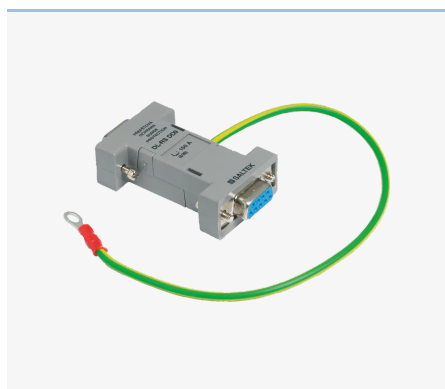
# DL-RS DD9

## SPD - for data, signalling and telecommunications lines / I&C / Others - with D-SUB connectors

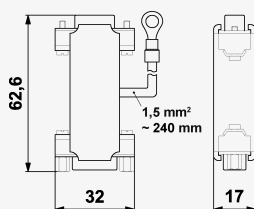
Surge protection for serial interfaces RS-232

DSUB 9 connectors

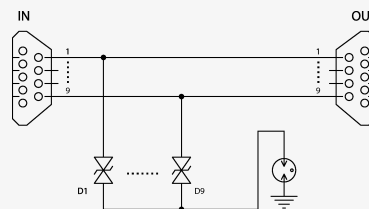
- fine protection
- for protection of serial ports of computers and control systems of I&C, electronic security and fire detection systems, etc. against impact of surge voltage



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	C1,C3
Location of SPD	ST 3
Maximum operating voltage	$U_c$ 12.70 V AC
Maximum operating voltage	$U_c$ 18.00 V DC
Treshold frequency core-core	$f$ 55.00 MHz
C1 nominal discharge current (8/20 $\mu$ s) per core	$I_n$ 150.00 A
C1 voltage protection level mode core-core at $I_n$	$U_p$ 65.00 V
C3 voltage protection level mode core-PE at 1 kV/ $\mu$ s	$U_p$ 980.00 V
C3 voltage protection level mode core-core at 1 kV/ $\mu$ s	$U_p$ 50.00 V
Response time core-core	$t_a$ 1 ns
Response time core-PE	$t_a$ 100 ns
Connection (input - output)	female DSUB 9 - male DSUB 9
Degree of protection	IP 20

Range of ambient temperatures (min/max)	<b>-40 / 80 °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>8595090509684</b>
Order number	<b>A00968</b>

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