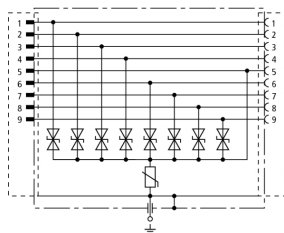


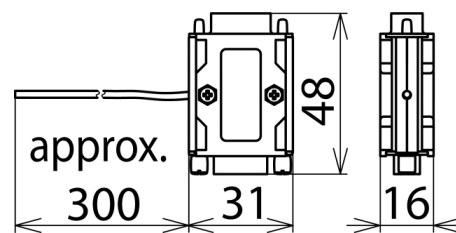
## FS 9E HS 12 (924 019)



Figure without obligation



Basic circuit diagram FS 9E HS 12



Dimension drawing FS 9E HS 12

Type	FS 9E HS 12
Part No.	924 019
SPD class	<b>TYPE 4 Pt</b>
Nominal voltage ( $U_N$ )	12 V
Max. continuous operating voltage (d.c.) ( $U_c$ )	15 V
C1 Nominal discharge current (8/20 $\mu$ s) line-SG ( $I_n$ )	0.1 kA
C1 Nominal discharge current (8/20 $\mu$ s) SG-PG ( $I_n$ )	0.1 kA
Voltage protection level line-SG for $I_n$ C1 ( $U_p$ )	$\leq 24$ V
Voltage protection level SG-PG for $I_n$ C1 ( $U_p$ )	$\leq 200$ V
Voltage protection level line-SG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 21$ V
Voltage protection level SG-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 130$ V
Cut-off frequency ( $f_c$ )	10 MHz
Capacitance line-SG (C)	700 pF
Capacitance SG-PG (C)	350 pF
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Degree of protection	IP 40
For mounting on	SUB-D (2 threaded screws 4/40 UNC)
Connection (input / output)	SUB-D 9 plug / SUB-D 9 socket
Pinning	line: 1/2/3/4/6/7/8/9, SG: 5
Earthing via	outgoing earthing conductor (0.75 mm <sup>2</sup> )
Length of the connecting line	300 mm (PG)
Enclosure material	plastic, metallised
Colour	silver
Test standards	IEC 61643-21 / EN 61643-21
Approvals	EAC
Weight	33 g
Customs tariff number	85363010
GTIN	4013364058590
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.