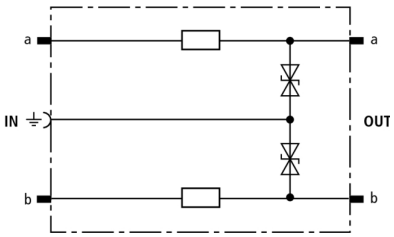
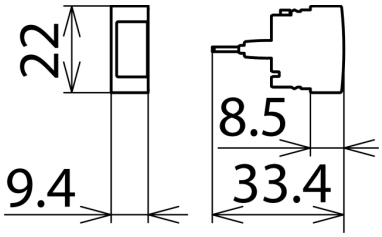
DRL RE 5 (907 420)

- Low voltage protection level for the protection of terminal equipment
- Energy-coordinated with DRL plug-in SPD block
- For installation in conformity with the lightning protection zones concept at the boundaries from 1 – 2 and higher

Figure without obligation



Basic circuit diagram DRL RE 5



Dimension drawing DRL RE 5

Protective plug (one pair), energy-coordinated with DRL plug-in SPD block, for use as single-stage protective device for terminal equipment with decoupling impedances. Ideally suited for signal circuits with common reference potential. Earthing via EF 10 DRL. For disconnection blocks or DRL plug-in SPD blocks only.

Type Part No.	DRL RE 5 907 420
SPD class	TYPE 3 P1
Nominal voltage (U_N)	5 V
Max. continuous operating d.c. voltage (U_C)	6 V
Max. continuous operating a.c. voltage (U_C)	4.2 V
Nominal current (I_L)	0.4 A
D1 Total lightning impulse current (10/350 µs) in combination with DRL 10 B... (I_{imp})	5 kA
D1 Lightning impulse current (10/350 µs) per line in combination with DRL 10 B... (I_{imp})	2.5 kA
C2 Total nominal discharge current (8/20 µs) in combination with DRL 10 B... (I_n)	10 kA
C2 Nominal discharge current (8/20 µs) per line in combination with DRL 10 B... (I_n)	5 kA
Voltage protection level line-PG for I_{imp} D1 in combination with DRL 10 B... (U_p)	≤ 40 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 17.0 V
Voltage protection level line-PG at 1 kV/µs C3 (U_p)	≤ 9.5 V
Series resistance per line	4.7 ohms
Cut-off frequency line-PG (f_G)	0.95 MHz
Capacitance line-line (C)	≤ 3 nF
Capacitance line-PG (C)	≤ 6 nF
Operating temperature range	-40°C...+80°C
Degree of protection	IP 20 (when plugged in)
Plugs into	LSA disconnection block 2/10 or DRL 10 B ... plug-in SPD block
Earthing via	earthing frame
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21
Approvals	VdS, GOST
Weight	4 g
Customs tariff number	85363010
GTIN	4013364107601
PU	10 pc(s)