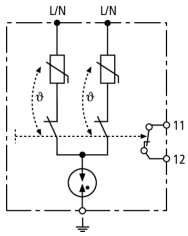
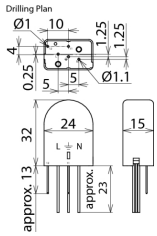
VC 280 2 (900 471)

- Complete surge protective device for devices with a.c.voltage power supply
- Floating remote signalling contact (break contact) with test option for fault indication
- For installation on printed circuit boards

Figure without obligation



Basic circuit diagram VC 280 2



Dimension drawing VC 280 2

Mains module with integrated surge protection and floating break contact for installation into the terminal equipment to be protected.

Type Part No.	VC 280 2 900 471
SPD according to EN 61643-11 / IEC 61643-11	type 3 / class III
Nominal voltage (a.c.) (U_N)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) (U_C)	280 V (50 / 60 Hz)
Nominal discharge current (8/20 µs) (I_n)	3 kA
Total discharge current (8/20 µs) [L+N-PE] (I_{total})	5 kA
Combination wave (U_{OC})	6 kV
Combination wave [L+N-PE] ($U_{OC\ total}$)	10 kV
Voltage protection level [L-N] / [L/N-PE] (U_P)	≤ 1250 / ≤ 1500 V
Response time [L-N] (t_A)	≤ 25 ns
Response time [L/N-PE] (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	B 16 A
Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})	1 kA_{rms}
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	440 V / 120 min. – safe failure
Temporary overvoltage (TOV) [L/N-PE] (U_T) – Characteristic	335 V / 120 min. – withstand
Temporary overvoltage (TOV) [L/N-PE] (U_T) – Characteristic	440 V / 5 sec. – withstand
Temporary overvoltage (TOV) [L+N-PE] (U_T) – Characteristic	1200 V + U_{REF} / 200 ms – safe failure
Fault indication	remote signalling contact (break contact)
Number of ports	1
Operating temperature range (U_T)	-25 °C ... +40 °C
For mounting on	printed circuit boards
Enclosure material	thermoplastic, red, UL 94 V-2
Place of installation	indoor installation
Degree of protection	IP 20
Dimensions	32 x 24 x 15 mm
Type of remote signalling contact	break contact
Switching capacity (a.c.)	250 V / 0.5 A
Switching capacity (d.c.)	250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A
Weight	22 g
Customs tariff number	85363010
GTIN	4013364067547
PU	1 Stk