DA-275 V/3+1

SPD - for low voltage / SPD type 3 / Basic

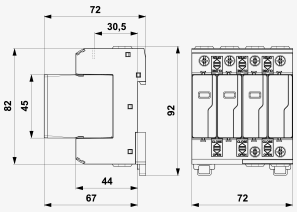
Three-phase surge protection connected in the 3+1 mode for TN and TT systems

pluggable module, visual fault signalling, module locking

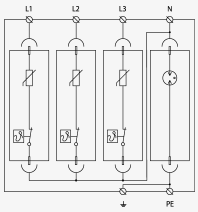
- combination of varistor SPD and encapsulated spark gap, connected in the 3+1 mode
- installation to LV installations, close to protected equipment
- for protection of the equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Type of SPD		T3
Mounting		DIN rail 35 mm
Nominal voltage	U_n	230.00 V AC
Maximum operating voltage L-N	U_c	275.00 V AC
Maximum operating voltage N-PE	U_c	255.00 V AC
Type of network		TT
Maximum overcurrent protection		63 A gL/gG
Short-circuit current rating	I_{SCCR}	25.0 kA
Nominal discharge current (8/20 µs) L-N	I_n	5.00 kA
Nominal discharge current (8/20 µs) N-PE	I_n	10.00 kA
Test voltage L-N	U_{oc}	10.0 kV
Test voltage N-PE	U_{oc}	20.0 kV
Voltage protection level mode L-N	U_p	1.00 kV
Voltage protection level mode L-PE	U_p	1.50 kV
Voltage protection level mode N-PE	U_p	1.50 kV
Response time	t_a	25 ns
Response time L-N	t_a	25 ns

Response time N-PE t_a	100 ns
TOV 5 s L-N	335 V
TOV characteristic (TOV 5 s)	withstand
TOV 120 min L-N	440 V
TOV characteristic (120 min)	safe failure
TOV 200 ms L-PE	1 455 V
TOV 200 ms N-PE	1 200 V
TOV characteristic (TOV 200 ms)	safe failure
Cross-section of connected conductors solid (min)	1.00 mm^2
Cross-section of connected conductors solid (max)	35.00 mm^2
Cross-section of connected conductors stranded (min)	1.00 mm^2
Cross-section of connected conductors stranded (max)	25.00 mm^2
Fault indication L-N	red indication field
Fault indication N-PE	no
Degree of protection	IP 20
Range of ambient temperatures (min/max)	-40 / 80 °C
Humidity	5 - 95 %
According to standard	EN 61643-11:2012, IEC 61643-11:2011
ETIM Class	EC000942
Customs tariff number	85363030
EAN	8595090518488
Order number	A01848