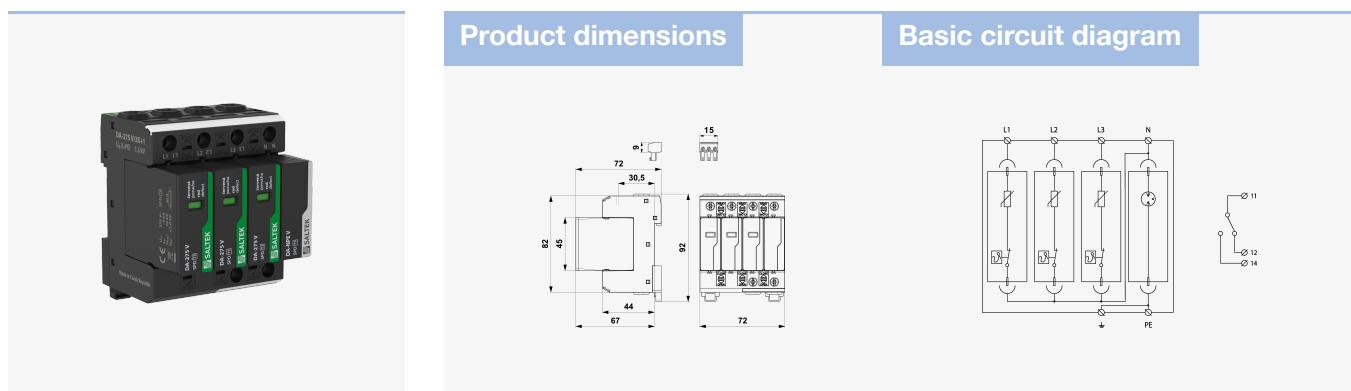


# DA-275 V/3S+1

## 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, remote fault signalling

- 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



Parameter name	Parameter value
Type of SPD	T3
Mounting	DIN rail 35 mm
Nominal voltage	U <sub>n</sub> 230 V AC
Maximum operating voltage L-N	U <sub>c</sub> 275.00 V AC
Maximum operating voltage N-PE	U <sub>c</sub> 255.00 V AC
Type of network	TT
Maximum overcurrent protection	63 A gL/gG
Short-circuit current rating	I <sub>SCCR</sub> 25.0 kA
Nominal discharge current (8/20 µs) L-N	I <sub>n</sub> 5.00 kA
Nominal discharge current (8/20 µs) N-PE	I <sub>n</sub> 10.00 kA
Test voltage L-N	U <sub>oc</sub> 10.0 kV
Test voltage N-PE	U <sub>oc</sub> 20.0 kV
Voltage protection level mode L-N	U <sub>p</sub> 1.00 kV
Voltage protection level mode L-PE	U <sub>p</sub> 1.50 kV
Voltage protection level mode N-PE	U <sub>p</sub> 1.50 kV
Response time L-N	t <sub>a</sub> 25 ns
Response time N-PE	t <sub>a</sub> 100 ns

TOV 5 s L-N	<b>335 V</b>
TOV characteristic (TOV 5 s)	<b>withstand</b>
TOV 120 min L-N	<b>440 V</b>
TOV characteristic (120 min)	<b>safe failure</b>
TOV 200 ms L-PE	<b>1 455 V</b>
TOV 200 ms N-PE	<b>1 200 V</b>
TOV characteristic (TOV 200 ms)	<b>safe failure</b>
Cross-section of connected conductors solid (min)	<b>1.00 mm<sup>2</sup></b>
Cross-section of connected conductors solid (max)	<b>35.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (min)	<b>1.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (max)	<b>25.00 mm<sup>2</sup></b>
Cross-section of remote indication conductors solid (max)	<b>1.5 mm<sup>2</sup></b>
Cross-section of remote indication conductors stranded (max)	<b>1.5 mm<sup>2</sup></b>
Fault indication L-N	<b>red indication field</b>
Fault indication N-PE	<b>no</b>
Remote indication	<b>potential-free change-over contact</b>
Remote indication contacts	<b>250V/0,5A AC,250V/0,1A DC</b>
Degree of protection	<b>IP 20</b>
Range of ambient temperatures (min/max)	<b>-40 / 80 °C</b>
Humidity	<b>5 - 95 %</b>
According to standard	<b>EN 61643-11:2012, IEC 61643-11:2011</b>
ETIM Class	<b>EC000942</b>
Customs tariff number	<b>85363030</b>
EAN	<b>8595090518495</b>
Order number	<b>A01849</b>