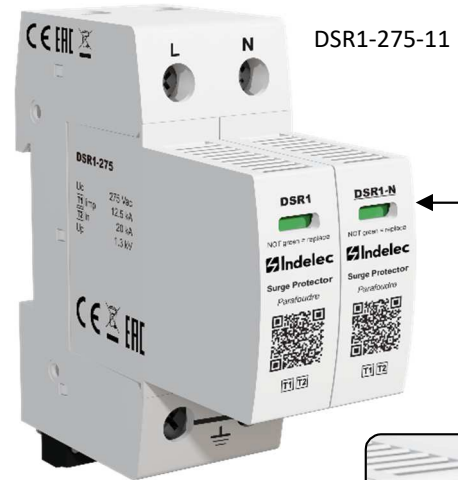


# Type 1 + 2 SPD DSR1 Serie (C2)

Designation	DSR1-275-11	DSR1-275-31
Part number	P8343	P8344
<b>Electrical Characteristics</b>		
SPD type	1+2	
Technology	MOV+GSG	
SPD configuration	Single Phase	3Ph+N
Connection mode	C2 (1+1)	C2 (3+1)
Neutral configuration	TT - TNS	TT - TNS
Max. AC operating system	U <sub>C</sub>	275 Vac
Temporary Over Voltage (TOV) 5sec.	U <sub>T</sub>	335 Vac withstand
Temporary Over Voltage (TOV) 120 mn	U <sub>T</sub>	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	U <sub>T</sub>	1200 V/300A/200 ms withstand
Without disconnection or with safety disconnection		
Residual Current - Leakage current to Ground	I <sub>pe</sub>	None
Follow current	I <sub>f</sub>	None
Max. impulse current by pole	I <sub>imp</sub>	12,5 kA
Max. withstand 10/350µs		
Total lightning current	I <sub>total</sub>	25 kA
Max. total withstand @ 10/350µs		50 kA
Nominal discharge current	I <sub>n</sub>	20 kA
15 x 8/20µs impulses		
Max. discharge current	I <sub>max</sub>	50 kA
Max. withstand @ 8/20µs		
Specific energy by pole	W/R	40 kJ/ohm
Protection mode		L/N et N/PE
Protection level @ I <sub>n</sub> (8/20µs)	U <sub>p</sub> L/N	1,3 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20µs)	U <sub>p</sub> 5kA	1 kV
Protection level N/PE at 5 kA @ 5 kA (8/20µs)	U <sub>p</sub> 5kA	1 kV
Admissible short-circuit current	I <sub>sc</sub>	50 000 A
<b>Associated disconnectors</b>		
Thermal disconnector	Internal	
Fuses	125 A min. 315 A max. type gG or SFD-13	
Installation ground fault breaker	Type "S" or delayed	
<b>Mechanical Characteristics</b>		
Connection to Network	By screw: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)	
Format	Plug-in modular box	
Mounting	Symmetrical rail 35 mm (EN 60715)	
Housing material	Thermoplastic UL94 V-0	
Operating temperature	Tu	-40°C / +85°C
Protection rating	IP20	
Failsafe mode	Disconnection from AC network	
Disconnection indicator	Mechanical Indicator	
Spare module(s)	yes	
Remote signaling of disconnection	Output on changeover contact	
Wiring for remote signaling	1.5 mm <sup>2</sup> max.	
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)	
Dimensions EN43880 (see diagram in mm)	2TE	4TE
Weight	0,286 kg	0,530 kg
<b>Standards compliance</b>	IEC 61643-11 / NF EN 61643-11	



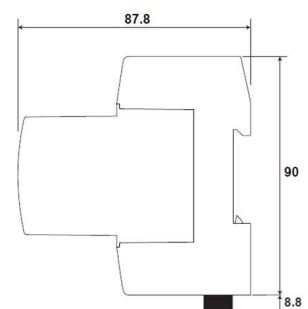
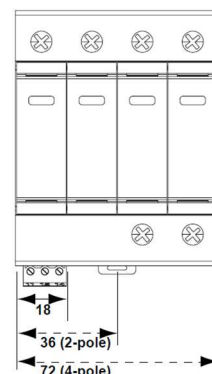
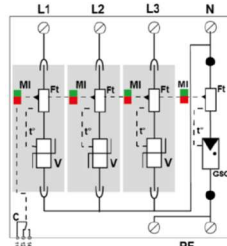
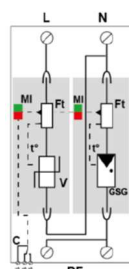
DSR1-275-11



N/PE Module



DSR1-275-31



V : High-energy varistor  
GSG : Specific gas tube  
Ft : Thermal fuse  
C : Remote signaling contact  
t<sup>+</sup> : Thermal disconnection system  
MI : Disconnection indicator

