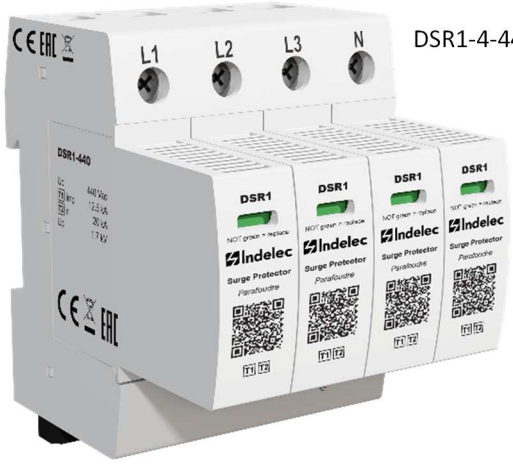
Type 1 + 2 SPD
DSR1 Serie (C1)

Designation		DSR1-440	DSR1-2-440	DSR1-4-440
Part number		P8340	P8341	P8342
Electrical Characteristics				
SPD type		1+2		
Technology		MOV		
SPD configuration		1 pole	Single Phase	3Ph+N
Connection mode		-	C1 (2+0)	C1 (4+0)
Neutral configuration		IT - TNS - TNC	IT - TNS	IT - TNS
Max. AC operating system	U_C	440 Vac		
Temporary Over Voltage (TOV)) 5sec.	U_T	580 Vac withstand		
Temporary Over Voltage (TOV)) 120 mn	U_T	770 Vac disconnection		
Residual Current-Leakage current to Ground	I_{pe}	< 1 mA		
Follow current	I_f	None		
Max. impulse current by pole Max. withstand 10/350µs	I_{imp}	12,5 kA		
Total lightning current Max. total withstand @ 10/350µs	I_{total}	-	25 kA	50kA
Nominal discharge current 15 x 8/20µs impulses	I_n	20 kA		
Max. discharge current Max. withstand @ 8/20µs	I_{max}	50 kA		
Specific energy by pole	W/R	40 kJ/ohm		
Protection level@ In (8/20µs)	U_p	1,7 kV		
Residual voltage at 5 kA @ 5 kA (8/20µs)	U_p 5kA	1,5 kV		
Admissible short-circuit current	I_{sccr}	50 000 A		
Associated disconnectors				
Thermal disconnector		Internal		
Fuses		125 A min. 315 A max. type gG or SFD-13		
Installation ground fault breaker		Type “S” or delayed		
Mechanical Characteristics				
Connection to Network		By screw: 2.5-25mm² (35mm² 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		Wiring for remote signaling		
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)		
Dimensions EN43880 (see diagram in mm)		1TE	2TE	4TE
Weight		0,179 kg	0,349 kg	0,656 kg
Standards compliance		IEC 61643-11 / NF EN 61643-11		

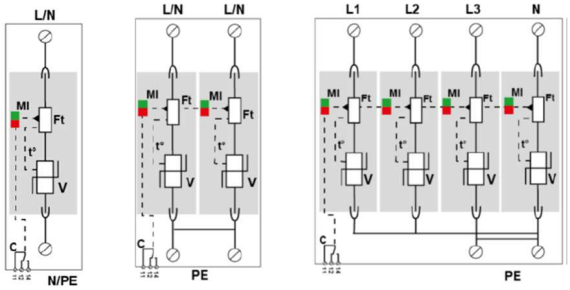
DSR1-440

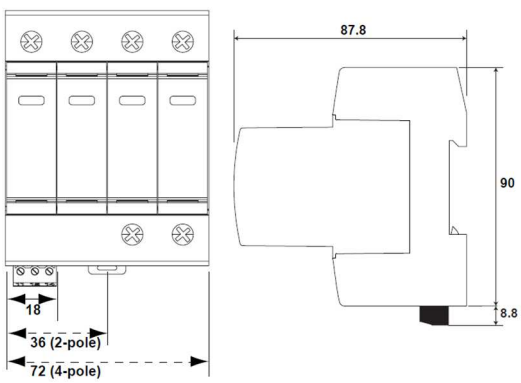
DSR1-2-440



DSR1-4-440

V : High-energy varistor
Ft : Thermal fuse
C : Remote signaling contact
t° : Thermal disconnection system
Mi : Disconnection indicator





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