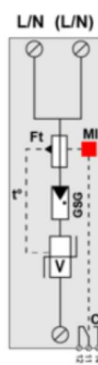
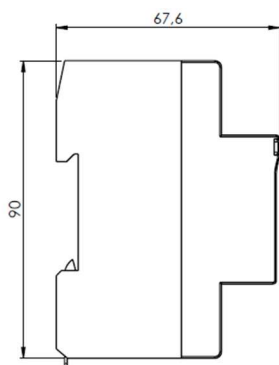
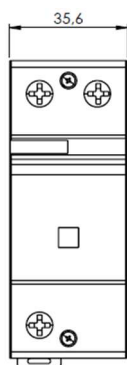


Type 1 + 2 + 3 SPD

DGV 440

Designation		DGV 440
Part Number		P8312J
Electrical Characteristics		
SPD type		1+2+3
Technology		MOV + GSG
SPD configuration		1 pole
Network nominal voltage		230/400V
Neutral configuration		IT - TNS - TNC (C1 mode) TT – TNS (C2 mode with DI SPD for N/PE)
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 withstand
Leakage current	I_{pe}	none
Follow current	I_f	none
Max. impulse current by pole	I_{imp}	25 kA (with fuse SFD1-25 or 315A gG)
Max. withstand 10/350µs		12,5 kA (with fuse SFD1-13 or 125A gG)
Nominal discharge current	I_n	30 kA
15 x 8/20µs impulses		
Max. discharge current	I_{max}	70 kA
Max. withstand @ 8/20µs		
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	U_{oc}	20 kV
Specific energy by pole	W/R	156 kJ/ohm
Protection level@ I_n (8/20µs) and @ 6 kV (1,2/50 µs)	U_p	1,5 kV
Residual voltage @ I_n (8/20 µs)	$U_p I_n$	1,1 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	$U_p 5kA$	1 kV
Admissible short-circuit current	I_{sccr}	50 000 A (with fuse SFD1-25 or 315A gG)
		100 000 A (with fuse SFD1-13 or 125A gG)
Associated disconnectors		
Thermal disconnector		Internal
Fuses		125 A min. – 315 A max. or SFD1-13 – SFD1-25
Installation ground fault breaker		Type 'S' or delayed
Mechanical Characteristics		
Connection to Network		By screw terminals: 6-35mm ²
Format		1-pole modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T_u	-40°C /+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		Mechanical indicator
Remote signaling of disconnection		Output on changeover contact
Dimensions EN43880 (see diagram in mm)		2TE
Standards compliance		IEC 61643-11 / NF EN 61643-11



V : High-energy varistor
 GSG : Specific gas tube
 Ft : Thermal fuse
 C : Remote signaling contact
 t* : Thermal disconnection system
 MI : Disconnection indicator

DOC240a.VEN-Rev3

