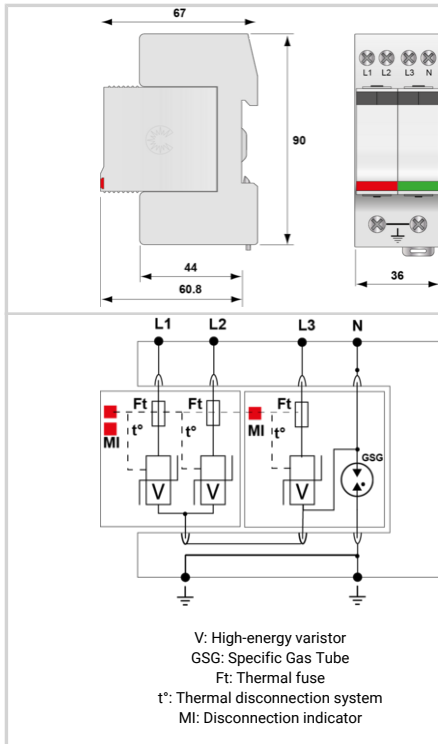


DS440-280/G



- › Compact 3-Phase Type 2 surge protector
- › In : 20 kA
- › I_{max} : 40 kA
- › Common/Differential mode
- › Pluggable module
- › Remote Signaling contact option
- › EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics

SPD type	2
Network	230/400 V 3-phase
AC system	TT-TN
Nominal line voltage	Un 230 Vac
Max. AC operating voltage	Uc 280 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms withstand
Residual Current Leakage current to Ground	I _{pe} None
Follow current	I _f None
Nominal discharge current 15 x 8/20 μ s impulses	I _n 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max} 40 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max} Total 40 kA
Connection mode(s)	L/N and N/PE
Protection mode(s)	Common/Differential mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	Up-5kA 1.5/0.9 kV
Protection level N/PE @ I _n (8/20 μ s)	Up N/PE 1.5 kV
Protection level CM/DM @ I _n (8/20 μ s)	Up mc/md 1.5/1.3 kV
Admissible short-circuit current	I _{sc} 10 000 A

Mechanical Characteristics

Technology	MOV
SPD configuration	3-phase+Neutral
Connection to Network	By screw terminals: 1.5-10mm ² (L/N) or 2.5-25mm ² (PE)
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	3 mechanical indicators
Spare module(s)	DSM440-280/G and DSM440-280/GPE
Remote signaling of disconnection	Option DS440S-280/G : output on changeover contact
Dimensions	See diagram

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	50 A min. - 125 A max. - Fuses Type gG

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	

Part number

311122