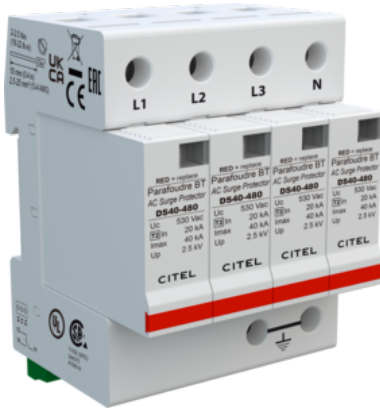




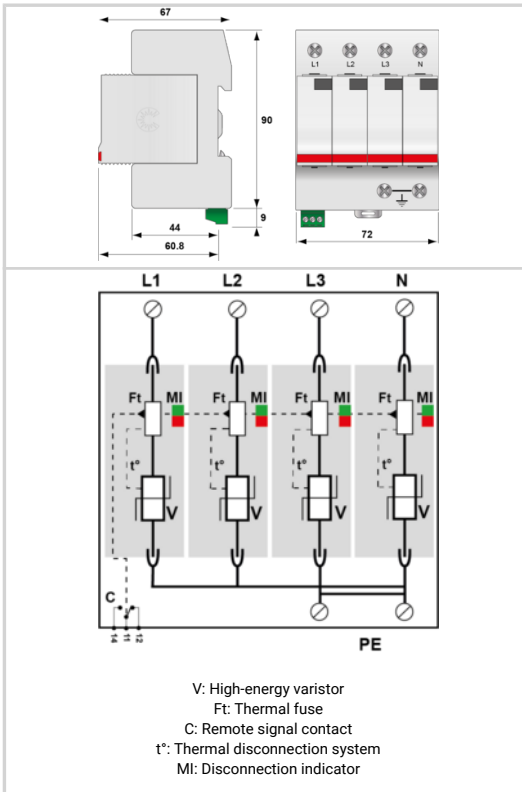
## Type 2 AC surge protector - 3-phase+N

# CITEL

## DS44S-480



- ↳ Type 2 AC Multipolar surge protector
- ↳  $I_n$  : 20 kA
- ↳  $I_{max}$  total : 160 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling
- ↳ EN 61643-11, IEC 61643-11 compliance
- ↳ UL1449 ed.5



Electrical Characteristics	
Network	277/480 V 3-phase+N
AC system	TT-TN
Nominal line voltage	$U_n$ 480 Vac
Max. AC operating voltage	$U_c$ 530 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 700 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 920 Vac disconnection
Residual Current Leakage current to Ground	$I_{pe}$ < 2 mA
Follow current	$I_f$ None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	$I_n$ 20 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$ 40 kA
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode
Protection level N/PE @ $I_n$ (8/20 $\mu$ s)	$U_p$ N/PE 2.5 kV
Protection level L/PE @ $I_n$ (8/20 $\mu$ s)	$U_p$ L/PE 2.5 kV
Admissible short-circuit current	$I_{sc}$ 25 000 A
Mechanical Characteristics	
SPD configuration	3-phase+Neutral
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	$T_u$ -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40-480
Remote signaling of disconnection	Output on changeover contact
Weight	0.405 kg
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses type gG - 50 A
Standards	
Certification	UL
Part number	
33101421	

