



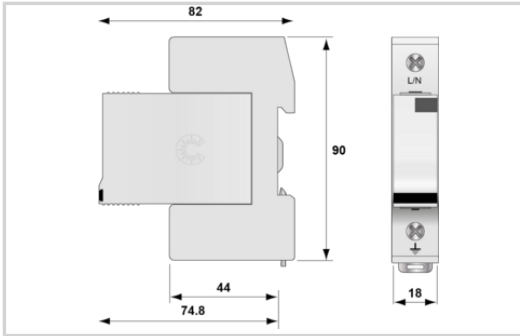
Type 1+2 AC surge protector - 1-pole

CITEL

DS131R-280



- ↳ Type 1 + 2 AC surge protector
- ↳ I_n : 20 kA
- ↳ I_{imp} : 12,5 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling (option)
- ↳ EN 61643-11, IEC 61643-11 and UL1449 4ed. compliance



Electrical Characteristics	
SPD type	1+2
Network	230/400 V
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
Follow current	If None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n 20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max} 50 kA
Impulse current by pole <i>max. withstand 10/350μs by pole</i>	I_{imp} 12.5 kA
Withstand on overvoltages IEEE C62.41.1	20 kV
Specific energy by pole <i>max. withstand 10/350 μs</i>	W/R 40 kJ/ohm
Connection mode(s)	L/N or N/PE
Protection mode(s)	Common Mode or Differential Mode
Protection level <i>@ I_n (8/20μs)</i>	Up 1.3 kV
Admissible short-circuit current	I_{sc} 25 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm ² / by bus
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	1 mechanical indicator
Spare module(s)	DSM130R-280
Remote signaling of disconnection	option DS131RS-280 : output on changeover contact
Dimensions	See diagram
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses Type gG - 125 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	
Part number	
571101	

