



CITEL

Type 1+2 AC surge protector - 3-phase+N

DS134R-280/G



- Discover our latest innovation : the [DAC1-13-31-320](#)
- Type 1 + 2 AC multipolar surge protector
- In : 20 kA
- Iimp total : 50 kA
- Pluggable module for each phase
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 compliance



Electrical Characteristics

SPD type	IEC	1+2
Network		230/400 V 3-phase+N
AC system		TT-TNS
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	280 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	UT	1200 V/300A/200 ms withstand
Follow current	If	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	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
Total lightning current <i>max. total withstand @ 10/350μs</i>	I _{total}	50 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 and N/PE
Protection mode(s)		Common/Differential mode
Protection level L/N <i>@ In (8/20μs)</i>	Up L/N	1.3 kV
Protection level N/PE <i>@ In (8/20μs)</i>	Up N/PE	1.5 kV
Admissible short-circuit current	I _{scrr}	25 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase+Neutral
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 by pole
Spare module(s)		DSM130R-280
Remote signaling of disconnection		option DS134RS-280/G : output on changeover contact
Dimensions		See diagram
Weight		0.49 kg

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

571124

