



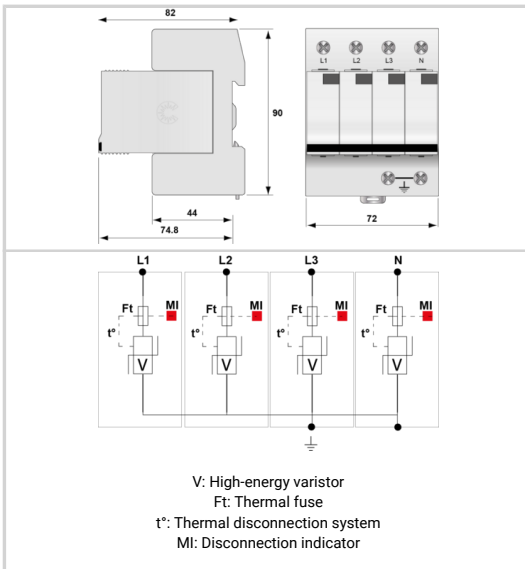
## Type 1+2 AC surge protector - 3-phase+N

# CITEL

## DS134R-280



- ↳ Discover our latest innovation : the [DAC1-13-40-320](#)
- ↳ Type 1 + 2 AC multipolar surge protector
- ↳  $I_n$  : 20 kA
- ↳  $I_{imp}$  total : 50 kA
- ↳ Pluggable module for each phase
- ↳ Remote signaling (option)
- ↳ EN 61643-11, IEC 61643-11 compliance



Electrical Characteristics	
SPD type	1+2
Network	230/400 V 3-phase+N
AC system	TNS
Nominal line voltage	$U_n$ 230 Vac
Max. AC operating voltage	$U_c$ 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	$I_f$ None
Nominal discharge current <i>15 x 8/20 <math>\mu</math>s impulses</i>	$I_n$ 20 kA
Max. discharge current <i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>	$I_{max}$ 50 kA
Impulse current by pole <i>max. withstand 10/350<math>\mu</math>s by pole</i>	$I_{imp}$ 12.5 kA
Total lightning current <i>max. total withstand @ 10/350<math>\mu</math>s</i>	$I_{total}$ 50 kA
Withstand on overvoltages IEEE C62.41.1	20 kV
Specific energy by pole <i>max. withstand 10/350 <math>\mu</math>s</i>	W/R 40 kJ/ohm
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode
Protection level N/PE <i>@ <math>I_n</math> (8/20<math>\mu</math>s)</i>	$U_p$ N/PE 1.3 kV
Protection level L/PE <i>@ <math>I_n</math> (8/20<math>\mu</math>s)</i>	$U_p$ L/PE 1.3 kV
Admissible short-circuit current	$I_{sc}$ 25 000 A
Mechanical Characteristics	
Technology	MOV
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)	DSM130R-280
Remote signaling of disconnection	option DS134RS-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	
571104	

