

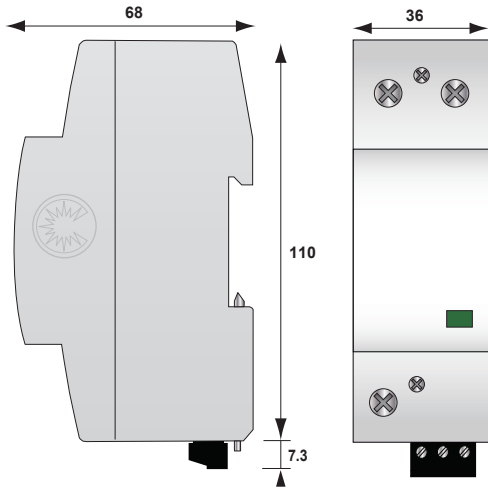


DACN1-25VGS SERIES



- Type AC power SPD
- VG Technology
- In 35 kA
- limp 25 kA
- No leakage current
- Remote signaling
- Optimized to TOV
- EN 61643-11, IEC 61643-11, GB/T 18802.1 compliance

DACN1-25VGS-10-760



Characteristics

CITEC Model		DACN1-25VGS-10-760
Description		Type 1+2+3 AC surge protector
Max. AC operating voltage	Uc	760 Vac
Temporary Over Voltage(TOV) Characteristic-5 sec	UT	1000 Vac
Temporary Over Voltage(TOV) Characteristic-120 mn	UT	1325 Vac
Residual current Leakage current at Uc	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 μs impulses	In	35 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	70 kA
Impulse current by pole max. withstand @ 10/350 μs	limp	25.0 kA
Max. Load current(if connection serie)	IL	100 A
Specific energy by pole	W/R	156kJ/ohm
Withstand on Combination waveform Class III test	Uoc	6 kV
Protection level-@In (8/20 μs) and @ 6kV(1.2/50μs)	Up	2.5 kV
Residual Voltage- @ 25 kA(8/20 μs)	Up	2.1 kV
Residual Voltage- @ 5 kA(8/20 μs)	Up	1.6 kV
Admissible short-circuit current	I _{sc}	50 000 A

Associated disconnectors

Thermal disconnector	internal
Fuses	gG 315A max
Existing upstream ground breaker (if any)	"S" type or delayed

Mechanical characteristics

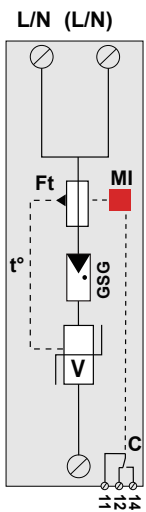
Dimensions	see diagram, 2 TE (DIN43880)
Connection to Network	By screw terminals: 2.5-25 mm ² (35 mm ² rigid)
Disconnection indicator	1 mechanical indicator Green/Red
Failsafe mode	Disconnection from AC network
Remote signaling of disconnection	output on changeover contact
Max. voltage/current for remote signaling	250 V/0.5 A (AC) , 30 V/3 A (DC)
Wiring for remote signaling	1.5 mm ² max
Mounting	Symmetrical rail 35 mm (EN60715)
Operating temperature	-40/+85°C
Protection rating	IP20
Housing material	Thermoplastic UL94-V0

Standards

Certification	--
Compliance	IEC61643-11 / EN61643-11 / UL1449 ed.4 / GB/T 18802.1

Part number

29221012

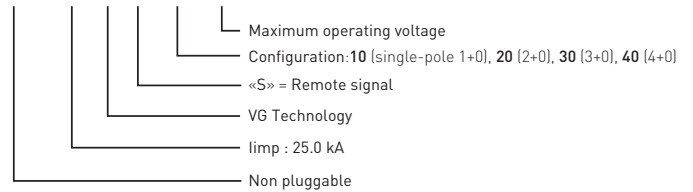


V: High energy varistor network
 GSG: Specific gas Tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t°: Thermal disconnection system
 MI: Disconnection indicator

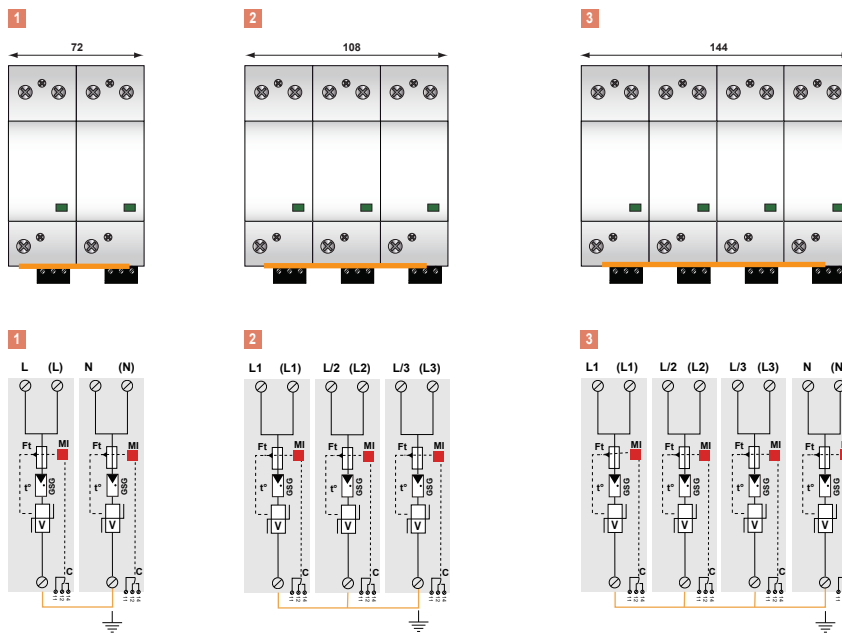
DACN1-25VGS-20, DACN1-25VGS-30, DACN1-25VGS-40



DACN1-25VGS-XX-XXX



DACN1-25VGS-30-760



V: High energy varistor network
 GSG: Specific gas Tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t°: Thermal disconnection system
 MI: Disconnection indicator

CITEL Model	P/N	Network	AC system	Protection Mode	I _{imp} total	Up L/PE	Up N/PE	Dimension DIN43880	Diagram
DACN1-25VGS-40-760	29224012	400/690 V 3-Phase+N	TN System(4+0)	L/PE and N/PE	100 kA	2.5 kV	2.5kV	8TE	3
DACN1-25VGS-30-760	29223012	400/690 V 3-Phase	TN-C System(3+0)	L/PE	75 kA	2.5 kV	--	6TE	2
DACN1-25VGS-20-760	29222012	400 V Single Phase	IT System(2+0)	L/PE and N/PE	50 kA	2.5 kV	2.5kV	4TE	1