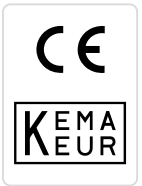




DACF25S-10

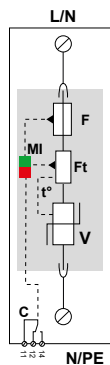
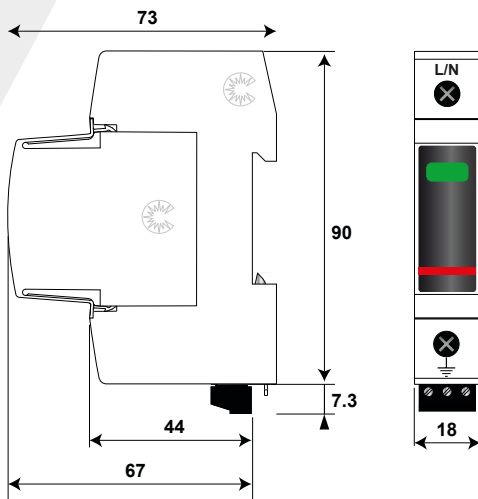


DACF25S SERIES



- Type 2 Surge Protector with integrated fuse (SPDI)
- No external fuse required
- In: 15 kA
- I_{max}: 25 kA
- Pluggable module for each phase
- Remote signaling
- IEC 61643-11 and EN 61643-11 certified
- UL1449 ed.5 compliance

Characteristics



- V : Varistor
- F : Fuse
- Ft : Thermal fuse
- C : Contact for remote signal
- t° : Thermal disconnection system
- MI : Disconnection indicator

CITEL Model		DACF25S-10-440	DACF25S-10-320	DACF25S-10-275	DACF25S-10-150
Description		Type 2 AC SPD with integrated fuse (SPDI) - 1-pole - pluggable			
Max. AC operating voltage	Uc	440 Vac	320 Vac	275 Vac	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	580 Vac withstand	335 Vac withstand	335 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics -120 mn	UT	770 Vac disconnection	440 Vac disconnection	440 Vac disconnection	230 Vac disconnection
Residual current <i>Leakage current at Uc</i>	I _{pe}	< 1 mA	< 1 mA	< 1 mA	< 1 mA
Follow current	I _f	None	None	None	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	15 kA	15 kA	15 kA	15 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	25 kA	25 kA	25 kA	25 kA
Protection level @ 8/20μs	U _p	2 kV	1.5 kV	1.25 kV	0.9 kV
Residual voltage @ 5 kA @ 8/20μs	U _{p-5kA}	1.5 kV	1.2 kV	1 kV	0.6 kV
Admissible short-circuit current	I _{scrr}	100 000 A	100 000 A	100 000 A	100 000 A

Associated disconnectors

Thermal disconnector	internal
Fuses	internal (equivalent AC rating : 40 A, gG Type)
Existing upstream ground fault breaker (if any)	Type "S" or delayed

Mechanical characteristics

Dimensions	see diagram, 1 TE (DIN43880)
Connection to Network	By screw terminals: 2.5-25 mm ² (35mm ² rigid)
Failsafe mode	Disconnection from network
Disconnection indicator	1 mechanical indicator Green/Red
Max. voltage/current for remote signaling	250 V/0.5 A (AC) / 30 V/3 A (DC)
Wiring for remote signaling	max. 1.5 mm ²
Mounting	Symmetrical rail 35 mm (EN60715)
Operating temperature	-40/+85°C
Protection rating	IP20
Housing material	Thermoplastic UL94 V-0
Spare unit	MDACF25-440 MDACF25-320 MDACF25-275 MDACF25-150

Standards

Certification	-	-	KEMA	-
Compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5			

Part number

	821410421	821410321	821410221	821410121
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*] SPDI :SPD including all its safety devices : thermal disconnector AND electrical fuse against short circuit currents.

TYPE 2 AC MULTIPOLAR SURGE PROTECTOR WITH INTEGRATED FUSE

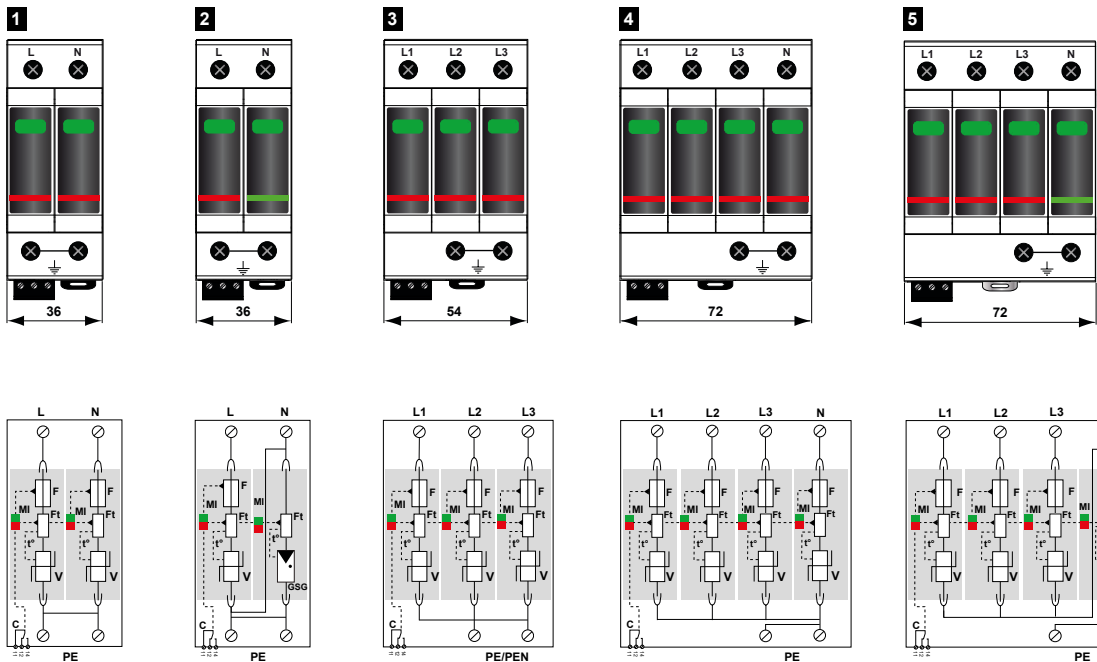
DACF25S-11, DACF25S-20, DACF25S-30 DACF25S-31, DACF25S-40



DACF25S-31

DACF25S-xx-xxx

- Maximum Operating voltage
- Configuration : 10 [single-pole 1+0], 11 [1+1], 20 [2+0], 30 [3+0], 40 [4+0], 31 [3+1]
- «S» = Remote signal
- I_{max} : 25 kA
- Integrated overcurrent protection (fuse)



V : Varistor high energy
 GSG: Specific gas tube
 F: Fuse
 Ft : Thermal fuse
 C : Contact for remote signal
 t° : Thermal disconnection system
 MI : Disconnection indicator

Model	P/N	Network	AC system	Protection mode	Up L/PE	Up L/N	Up N/PE	Dimension DIN43880	Diagram
DACF25S-31-320	821410344	230/400 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	1.5 kV	1.5 kV	4 TE	5
DACF25S-31-275	821410244	230/400 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	1.25 kV	1.5 kV	4 TE	
DACF25S-31-150	821410144	120/208 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	0.9 kV	1.5 kV	4 TE	
DACF25S-40-440	821410424	230/400 V 3-Phase+N	IT System (4+0)	L/PE and N/PE	2 kV	-	2 kV	4 TE	4
DACF25S-40-320	821410324	230/400 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	4 TE	
DACF25S-40-275	821410224	230/400 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.25 kV	-	1.25 kV	4 TE	
DACF25S-40-150	821410124	120/208 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.2 kV	-	0.9 kV	4 TE	3
DACF25S-30-440	821410423	230/400 V 3-Phase	IT System (3+0)	L/PE	2 kV	-	-	3 TE	
DACF25S-30-320	821410323	230/400 V 3-Phase	TNC System (3+0)	L/PE	1.5 kV	-	-	3 TE	
DACF25S-30-275	821410223	230/400 V 3-Phase	TNC System (3+0)	L/PE	1.25 kV	-	-	3 TE	2
DACF25S-30-150	821410123	120/208 V 3-Phase	TNC System (3+0)	L/PE	1.2 kV	-	-	3 TE	
DACF25S-11-320	821410342	230 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	
DACF25S-11-275	821410242	230 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.25 kV	1.5 kV	2 TE	1
DACF25S-11-150	821410142	120 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	0.9 kV	1.5 kV	2 TE	
DACF25S-20-440	821410422	230 V Single Phase	TN System (2+0)	L/PE and N/PE	2 kV	-	2 kV	2 TE	
DACF25S-20-320	821410322	230 V Single Phase	TN System (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	1
DACF25S-20-275	821410222	230 V Single Phase	TN System (2+0)	L/PE and N/PE	1.25 kV	-	1.25 kV	2 TE	
DACF25S-20-150	821410122	120 V Single Phase	TN System (2+0)	L/PE and N/PE	1.2 kV	-	0.9 kV	2 TE	

