DAC40C
Технические характеристики

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Эл. почта cft@nt-rt.ru || Сайт: https://citel.nt-rt.ru/

Imax 40 kA

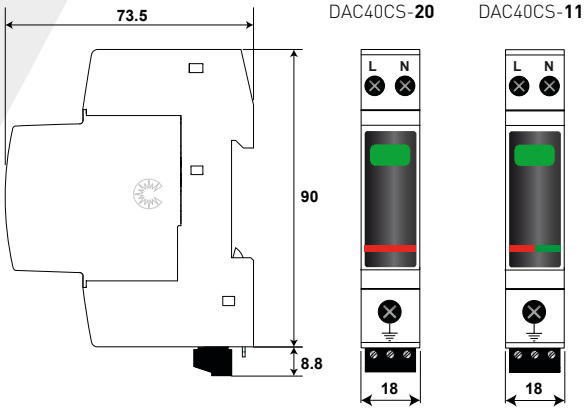
DAC40C-11

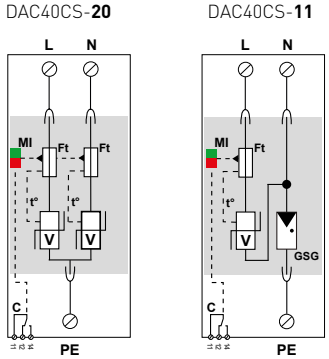
DAC40C SERIES

- **Compact single phase Type 2 surge protector**
- **Common/Differential mode**
- **Remote signaling contact (option)**
- **EN 61643-11, IEC 61643-11 certified**
- **UL1449 ed.4 compliance**

DAC40C**S**-**xx**-**xxx**

- Maximum operating voltage
- Configuration: **11** (1+1), **20** (2+0)
- «**S**» = Remote signal option
- Imax: 40 kA





V : High energy varistor
Ft : Thermal fuse
C : Contact for remote signal
t° : Thermal disconnection system
GSG: Specific gas tube
MI : Disconnection indicator

Characteristics

CITEL Model		DAC40C-20-440	DAC40C-11-275	DAC40C-11-150
Description		Compact 1-phase Type 2 surge protector - Pluggable		
Network		230 V single-phase		
Protection mode		L/PE and N/PE	L/N and N/PE	L/N and N/PE
AC system		IT	TT-TN	TT-TN
Max. AC operating voltage	Uc	440 Vac	275 Vac	150 Vac
Temporary Over Voltage (TOV) Charasteristic *- 5 sec.*	UT	580 Vac withstand	335 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Charasteristic *-120mn*	UT	770 Vac disconnection	440 Vac disconnection	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	UT	-	1200 V/300A/200 ms withstand	1200 V/300A/200 ms withstand
Residual current *- Leakage current at Uc*	Ipe	< 1 mA	None	None
Follow current	If	None	None	None
Nominal discharge current *15 x 8/20 µs impulses*	In	20 kA	20 kA	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA	40 kA	40 kA
Total discharge current *- @8/20µs*	Itotal	80 kA	40 kA	40 kA
Protection level @In *(8/20µs)*	Up L/N Up N/PE Up L/PE	- 1.8 kV 1.8 kV	1.25 kV 1.5 kV -	0.9 kV 1.5 kV -
Admissible short-circuit current	Isccr	10 000 A	10 000 A	10 000 A
Associated disconnectors				
Thermal disconnector		internal		
Fuses		50 A min. - 125 A max. - Type gG		
Existing upstream ground fault breaker (if any)		Type "S" or delayed		
Mechanical characteristics				
Dimensions		see diagram, 1TE (DIN43880)		
Connection to Network		by screw terminals: L/n =1.5-10mm² (16 mm²) / PE = 2.5-25mm² (35 mm² rigid)		
Failsafe mode		Disconnection from network		
Disconnection indicator		1 mechanical indicator Green/Red		
Remote signaling of disconnection output on changeover contact		Option DAC40C**S**-20-440	Option DAC40C**S**-11-275	Option DAC40C**S**-11-150
Max. voltage/current for remote signaling		250 V/0.5 A (AC) / 30 V/3 A (DC)		
Wiring for remote signaling		Max. 1.5 mm²		
Mounting		Symmetrical rail 35 mm (EN60715)		
Operating temperature		-40/+85°C		
Protection rating		IP20		
Housing material		Thermoplastic UL94 V-0		
Spare unit		MDAC40C-20-440	MDAC40C-11-275	MDAC40C-11-150
Standards				
Certification		KEMA		
Compliance		IEC 61643-11 / NF EN 61643-11 / UL1449 ed.4		
Part number				
		821510411	821520211	821520111

Imax 40 kA

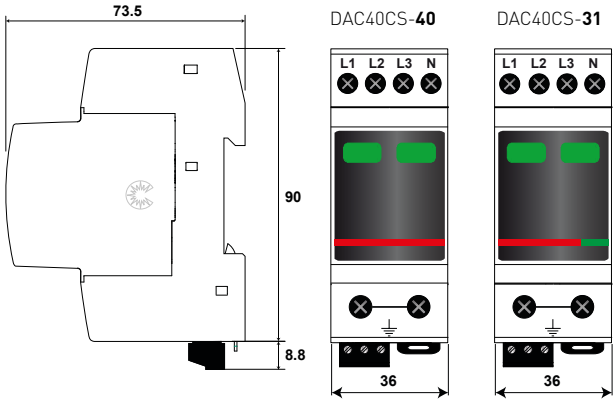
DAC40CS-31

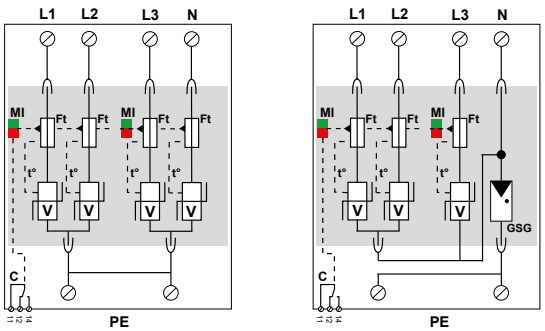
DAC40C SERIES

- **Compact 3-phase Type 2**
- **Common/Differential mode**
- **Remote signaling contact (option)**
- **EN 61643-11, IEC 61643-11 certified**
- **UL1449 ed.4 compliance**

DAC40C**S**-**xx**-**xxx**

- Maximum operating voltage
- Configuration: **40** (4+0), **31** (3+1)
- «**S**» = Remote signal option
- Imax: 40 kA





V : High energy varistor
GSG : Specific GDT
Ft : Thermal fuse
C : Contact remote signaling
t° : Thermal disconnection system
MI : Disconnection indicator

Characteristics

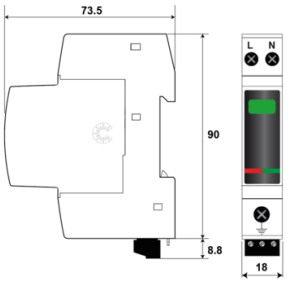
CITEL Model		DAC40C-40-440	DAC40C-31-275	DAC40C-31-150
Description		Compact 3-phase+N Type 2 surge protector - Pluggable		
Network		230/400 V 3-phase	230/400 V 3-phase	120/208 V 3-phase
Protection mode		L/PE and N/PE	L/N and N/PE	L/N and N/PE
AC system		IT	TT-TN	TT-TN
Max. AC operating voltage	Uc	440 Vac	275 Vac	150 Vac
Temporary Over Voltage (TOV) Charasteristic *- 5 sec.*	UT	580 Vac withstand	335 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Charasteristic *-120mn*	UT	770 Vac disconnection	440 Vac disconnection	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	UT	-	1200 V/300A/200 ms withstand	1200 V/300A/200 ms withstand
Residual current *- Leakage current at Uc*	Ipe	< 1 mA	None	None
Follow current	If	None	None	None
Nominal discharge current *15 x 8/20 µs impulses*	In	20 kA	20 kA	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA	40 kA	40 kA
Total discharge current *@8/20µs*	Itotal	160 kA	40 kA	40 kA
Protection level @In *(8/20µs)*	Up L/N Up N/PE Up L/PE	- 1.8 kV 1.8 kV	1.25 kV 1.5 kV -	0.9 kV 1.5 kV -
Admissible short-circuit current	Isccr	10000 A	10000 A	10000 A
Associated disconnectors				
Thermal disconnector		internal		
Associated fuses		50 A min. - 125 A max. - Type gG		
Existing upstream ground fault breaker (if any)		Type "S" or delayed		
Mechanical characteristics				
Dimensions		see diagram, 2 TE (DIN43880)		
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16 mm²) or PE = 2.5-25mm² (35 mm² rigid)		
Failsafe mode		Disconnection from network		
Disconnection indicator		2 mechanical indicators, Green/Red		
Remote signaling of disconnection output on changeover contact		Option DAC40C**S**-40-440	Option DAC40C**S**-31-275	Option DAC40C**S**-31-150
Max. voltage/current for remote signaling		250 V/0.5 A (AC) / 30 V/3 A (DC)		
Wiring for remote signaling		Max. 1.5 mm²		
Mounting		Symmetrical rail 35 mm (EN60715)		
Operating temperature		-40/+85°C		
Protection rating		IP20		
Housing material		Thermoplastic UL94 V-0		
Spare unit		MDAC40C-40-440	MDAC40C-31-275	MDAC40C-31-150
Standards				
Certification		KEMA		
Compliance		IEC 61643-11 / NF EN 61643-11 / UL1449 ed.4		
Part number				
		821510412	821520212	821520112

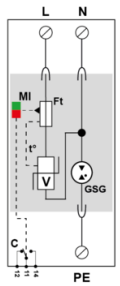
Compact 1-phase Type 2 (or 3) surge protector - 230 V -Pluggable

AC POWER

DAC40CS-11-320

- Compact Surge protector, 2-pole Type 2 or 3
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- IEC 61643-11 / EN 61643-11 certified
- UL1449 ed.4 compliance





V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t°: Thermal disconnection system
MI: Disconnection indicator

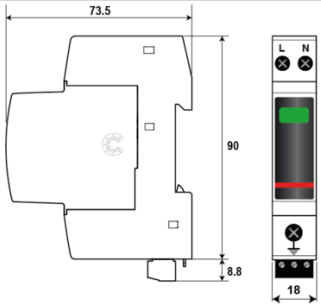
Electrical Characteristics		
SPD type (following IEC tests)		2
Network		230 V single-phase
AC system		TT-TN
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) (Without disconnection or with safety disconnection)	UT	1200 V/300A/200 ms withstand
Residual Current (Leakage current to Ground)	Ipe	None
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	80 kA
Protection mode(s)		L/PE and N/PE
Protection level L/N (@ In (8/20µs))	Up L/N	1.5 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		Single phase
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
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 - Red/Green
Spare module(s)		MDAC40C-11-320
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4

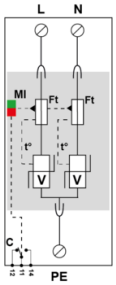
Compact 1-phase Type 2 (or 3) surge protector - 120 V -Pluggable

AC POWER

DAC40CS-20-150

- Compact Surge protector, 2-pole Type 2 or 3
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- IEC 61643-11 / EN 61643-11 certified
- UL1449 ed.4 compliance





V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t°: Thermal disconnection system
MI: Disconnection indicator

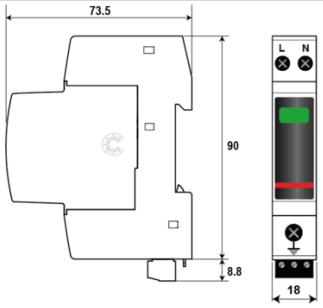
Electrical Characteristics		
SPD type (following IEC tests)		2
Network		120 V single-phase
AC system		TN
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	180 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	230 Vac disconnection
Residual Current (Leakage current to Ground)	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	0.9 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	0.9 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Disconnection indicator		1 mechanical indicator - Red/Green
Spare module(s)		MDAC40C-20-150
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC
Part number		
821510121		

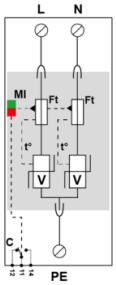
Compact 1-phase Type 2 (or 3) surge protector - 230 V -Pluggable

AC POWER

DAC40CS-20-275

- Compact Surge protector, 2-pole Type 2 or 3
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- IEC 61643-11 / EN 61643-11 certified
- UL1449 ed.4 compliance





V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t°: Thermal disconnection system
MI: Disconnection indicator

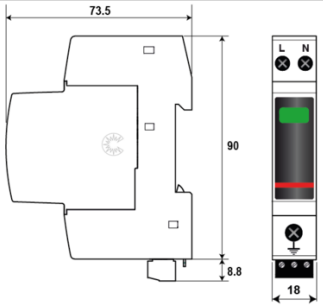
Electrical Characteristics		
SPD type (following IEC tests)		2
Network		230 V single-phase
AC system		TN
Max. AC operating voltage	Uc	275 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	440 Vac disconnection
Residual Current (Leakage current to Ground)	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	80 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	1.25 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	1.25 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
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 - Red/Green
Spare module(s)		MDAC40C-20-275
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

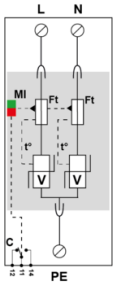
Compact 1-phase Type 2 (or 3) surge protector - 230 V -Pluggable

AC POWER

DAC40CS-20-320

- Compact Surge protector, 2-pole Type 2 or 3
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- IEC 61643-11 / EN 61643-11 certified
- UL1449 ed.4 compliance





V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t°: Thermal disconnection system
MI: Disconnection indicator

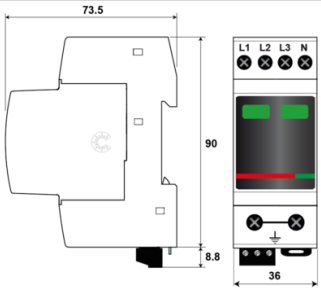
Electrical Characteristics		
SPD type (following IEC tests)		2
Network		230 V single-phase
AC system		TN
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	440 Vac disconnection
Residual Current (Leakage current to Ground)	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	80 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	1.5 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	1.5 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
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 - Red/Green
Spare module(s)		MDAC40C-20-320
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 1TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

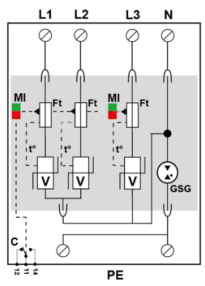
Type 2 AC surge protector - 3-phase+N

AC POWER

DAC40CS-31-320

- Compact, multipole type 2
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- Conforms to IEC 61643-11 / EN 61643-11
- Approved according to UL1449 ed.4





V: High-energy varistor
GSG: Specific Gas Tube
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

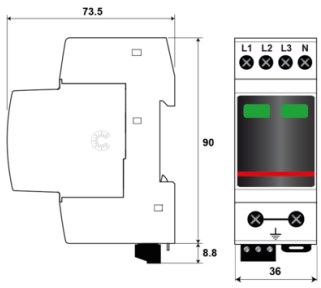
Electrical Characteristics		
SPD type (following IEC tests)		2
Network		230/400 V
AC system		TT-TN
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) (Without disconnection or with safety disconnection)	UT	1200 V/300A/200 ms withstand
Residual Current (Leakage current to Ground)	Ipe	None
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	40 kA
Protection mode(s)		L/PE and N/PE
Protection level L/N (@ In (8/20µs))	Up L/N	1.5 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV+GDT
SPD configuration		3-phase+Neutral
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
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		2 mechanical indicators - Green/Red
Spare module(s)		MDAC40C-31-320
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 2TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4

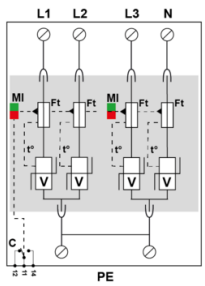
Type 2 AC surge protector - 3-phase+N

AC POWER

DAC40CS-40-150

- Compact, multipole type 2
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- Conforms to IEC 61643-11 / EN 61643-11
- Approved according to UL1449 ed.4





V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

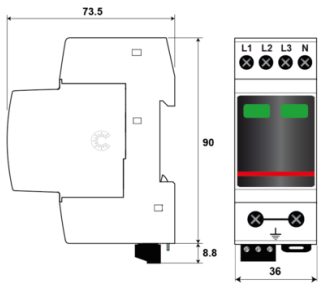
Electrical Characteristics		
SPD type (following IEC tests)		2
Network		120/208 V
AC system		TN
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	180 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	230 Vac disconnection
Residual Current (Leakage current to Ground)	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	160 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	0.9 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	0.9 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		3-phase+Neutral
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
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		2 mechanical indicators - Green/Red
Spare module(s)		MDAC40C-40-150
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 2TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

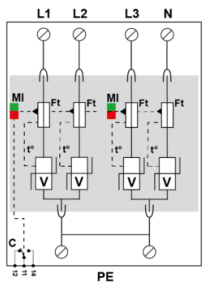
Type 2 AC surge protector - 3-phase+N

AC POWER

DAC40CS-40-275

- Compact, multipole type 2
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- Conforms to IEC 61643-11 / EN 61643-11
- Approved according to UL1449 ed.4





V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

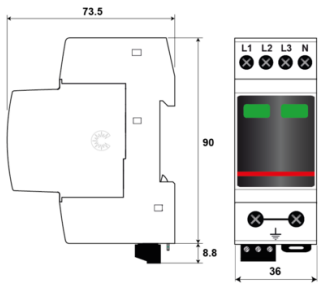
Electrical Characteristics		
SPD type (following IEC tests)		2
Network		230/400 V
AC system		TN
Max. AC operating voltage	Uc	275 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	440 Vac disconnection
Residual Current (Leakage current to Ground)	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	160 kA
Protection mode(s)		L/PE and N/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	1.25 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	1.25 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		3-phase+Neutral
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
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		2 mechanical indicators - Green/Red
Spare module(s)		MDAC40C-40-275
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 2TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

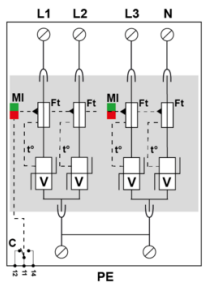
Type 2 AC surge protector - 3-phase+N

AC POWER

DAC40CS-40-320

- Compact, multipole type 2
- Conductivity per pole: In= 20 kA; Imax= 40 kA
- Protection modes - common and/or differential
- Safe disconnect device
- Transverse / longitudinal voltage protection
- Energetically coordinated
- Pluggable protection module
- Remote signalling
- Conforms to IEC 61643-11 / EN 61643-11
- Approved according to UL1449 ed.4





V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type (following IEC tests)		2
Network		230/400 V
AC system		TN
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without disconnection or with safety disconnection)	UT	440 Vac disconnection
Residual Current (Leakage current to Ground)	Ipe	< 1 mA
Follow current	If	None
Nominal discharge current (15 x 8/20 µs impulses)	In	20 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	40 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	160 kA
Protection mode(s)		L/PE and N/PE
Protection level L/PE (@ In (8/20µs))	Up L/PE	1.5 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		3-phase+Neutral
Connection to Network		by screw terminals: L/N = 1.5-10mm² (16mm² rigid) or PE = 2.5-25mm² (35 mm² rigid)
Format		Plug-in modular box
Plugable		Yes
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		2 mechanical indicators - Green/Red
Spare module(s)		MDAC40C-40-320
Remote signaling of disconnection		Output on changeover contact
Wiring for remote signaling		1.5 mm² max.
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions		See diagram - 2TE (EN43880)
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		50 A mini. - 125 A max. - Fuses Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

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