DAC15CS
Технические характеристики

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

Imax 15 kA

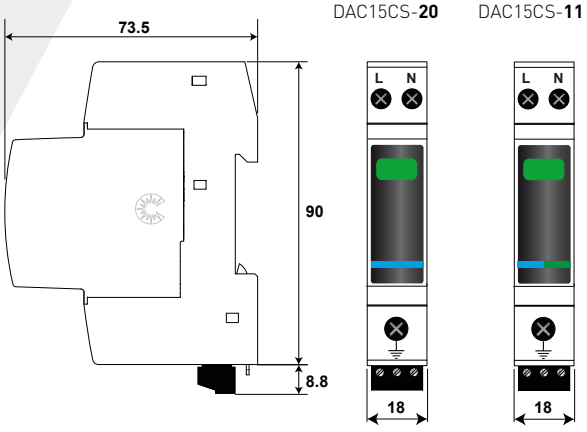
DAC15CS-11

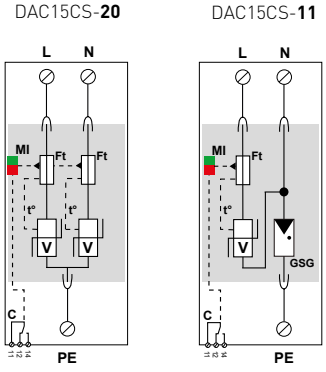
DAC15C SERIES

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

DAC15C**S**-**xx**-**xxx**

- Maximum operating voltage
- Configuration: **20** (2+0), **11** (1+1)
- «**S**» = Remote signal option
- Imax: 15 kA





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

Characteristics

CITEL Model		DAC15C-20-440	DAC15C-11-275	DAC15C-11-150
Description		Compact 1-phaseType 2 surge protector - Pluggable		
Network		230/400 V single-phase	230/400 V single-phase	120/208 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 120 mn	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	5 kA	5 kA	5 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	15 kA	15 kA	15 kA
Total discharge current *@ 8/20µs*	Itotal	30 kA	30 kA	30 kA
Withstand on combinaison waveform *Class III test*	Uoc	10 kV	10 kV	10 kV
Protection level *@ In (8/20µs)*	Up L/N Up N/PE Up L/PE	- 1.5 kV 1.5 kV	1 kV 1.5 kV -	0.6 kV 1.5kV -
Admissible short-circuit current	Isccr	10000 A	10000 A	10000 A
Associated disconnectors				
Thermal disconnector		internal		
Fuses		20 A min - 125 A max. - Type gG		
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: L/N = 1.5-10 mm² (16mm²) or PE = 2.5-25 mm² (35 mm² rigid)		
Failsafe mode		Disconnection from network		
Disconnection indicator		1 mechanical indicators, Green/Red		
Remote signaling of disconnection output on changeover contact		Option DAC15C**S**-20-400	Option DAC15C**S**-11-275	Option DAC15C**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		MDAC15C-20-440	MDAC15C-11-275	MDAC15C-11-150
Standards				
Certification		KEMA		
Compliance		IEC 61643-11 / NF EN 61643-11 / UL1449 ed.4		
Part number				
		821610411	821620211	821620111

CITEL

Imax 15 kA

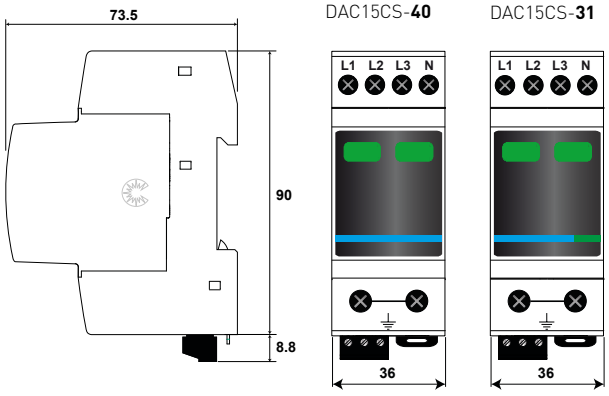
DAC15C-40

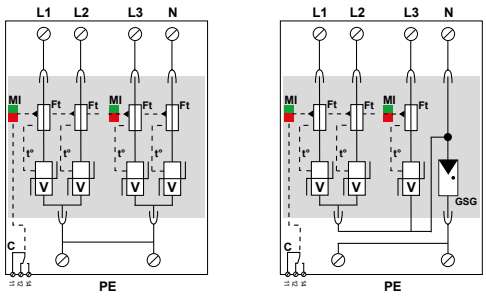
DAC15C SERIES

- **Compact 3-phase Type 2 (or 3)**
- **Common/Differential mode**
- **Remote signaling contact (option)**
- **IEC 61643-11, EN 61643-11 certified**
- **UL 1449 ed.4 compliance**

DAC15C**S**-xx-xxx

- Maximum operating voltage
- Configuration: **40** (4+0), **31** (3+1)
- «**S**» = Remote signal option
- Imax: 15 kA





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

Characteristics

CITEL Model		**DAC15C-40-440**	**DAC15C-31-275**	**DAC15C-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 *-120 mn*	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	5 kA	5 kA	5 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	15 kA	15 kA	15 kA
Total discharge current *- @ 8/20 µs*	Itotal	60 kA	40 kA	40 kA
Withstand on combinaison waveform *Class III test*	Uoc	10 kV	10 kV	10 kV
Protection level *@ In (8/20µs)*	Up L/N Up N/PE Up L/PE	- 1.5 kV 1.5 kV	0.9 kV 1.5 kV -	0.6 kV 1.5kV -
Admissible short-circuit current	Isccr	10000 A	10000 A	10000 A
Associated disconnectors				
Thermal disconnector		internal		
Fuses		20 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 (16mm²) or PE: 2.5-25mm² (35mm² rigid)		
Failsafe mode		Disconnection from network		
Disconnection indicator		2 mechanical indicators, Green/Red		
Remote signaling of disconnection output on changeover contact		Option DAC15C**S**-40-400	Option DAC15C**S**-31-275	Option DAC15C**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		MDAC15C-40-440	MDAC15C-31-275	MDAC15C-31-150
Standards				
Certification		KEMA		
Compliance		IEC 61643-11 / NF EN 61643-11 / UL1449 ed.4		
Part number				
		821610412	821620212	821620112

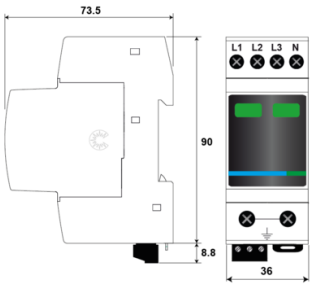
CITEL

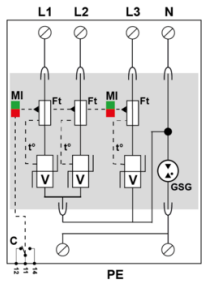
Type 2 (or 3) AC surge protector - 3-phase+N

AC POWER

DAC15CS-31-320

- Compact 3-phase type 2 (or 3) surge protector
- In : 5 kA
- Imax : 15 kA
- Common mode/differential
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.4 compliance





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

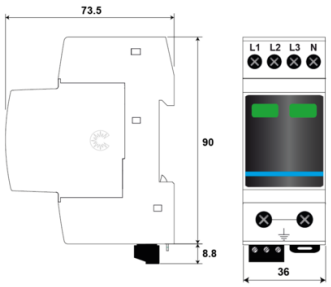
Electrical Characteristics		
SPD type (following IEC tests)		2 (or 3)
Network		230/400 V
AC system		TT-TN
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without 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	5 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	15 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	40 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	10 kV
Protection mode(s)		L/PE and L/N
Protection level L/N (@ In (8/20µs))	Up L/N	1.1 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+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)		MDAC15C-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		20 A min. - 125 A max. - Type gG

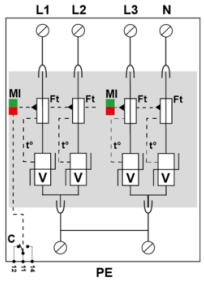
Type 2 (or 3) AC surge protector - 3-phase+N

AC POWER

DAC15CS-40-320

- Compact 3-phase type 2 (or 3) surge protector
- In : 5 kA
- Imax : 15 kA
- Common mode/differential
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.4 compliance





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

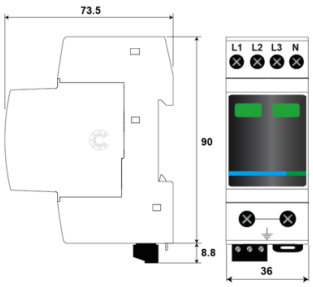
Electrical Characteristics		
SPD type (following IEC tests)		2 (or 3)
Network		230/400 V
AC system		TN
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without 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	5 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	15 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	60 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	10 kV
Protection mode(s)		L/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	1.1 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	1.1 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)		MDAC15C-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		20 A min. - 125 A max. - Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

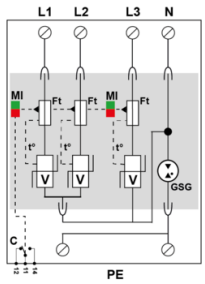
Type 2 (or 3) AC surge protector - 3-phase+N

AC POWER

DAC15CS-31-320

- Compact 3-phase type 2 (or 3) surge protector
- In : 5 kA
- Imax : 15 kA
- Common mode/differential
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.4 compliance





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

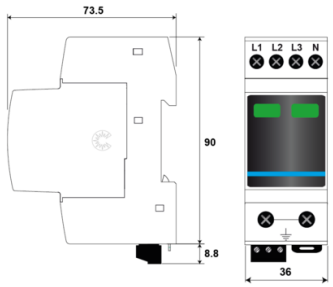
Electrical Characteristics		
SPD type (following IEC tests)		2 (or 3)
Network		230/400 V
AC system		TT-TN
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without 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	5 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	15 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	40 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	10 kV
Protection mode(s)		L/PE and L/N
Protection level L/N (@ In (8/20µs))	Up L/N	1.1 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+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)		MDAC15C-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		20 A min. - 125 A max. - Type gG

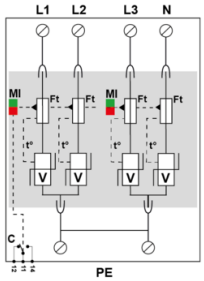
Type 2 (or 3) AC surge protector - 3-phase+N

AC POWER

DAC15CS-40-150

- Compact 3-phase type 2 (or 3) surge protector
- In : 5 kA
- Imax : 15 kA
- Common mode/differential
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.4 compliance





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

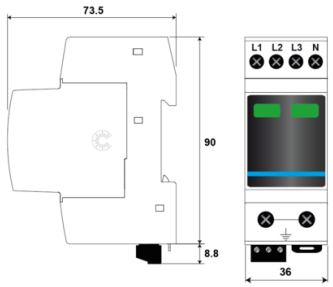
Electrical Characteristics		
SPD type (following IEC tests)		2 (or 3)
Network		120/208 V
AC system		TN
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	180 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without 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	5 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	15 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	60 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	10 kV
Protection mode(s)		L/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	0.6 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	0.6 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)		MDAC15C-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		20 A min. - 125 A max. - Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

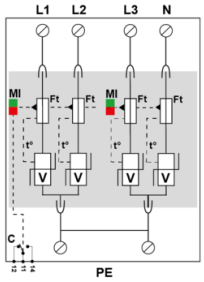
Type 2 (or 3) AC surge protector - 3-phase+N

AC POWER

DAC15CS-40-275

- Compact 3-phase type 2 (or 3) surge protector
- In : 5 kA
- Imax : 15 kA
- Common mode/differential
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.4 compliance





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

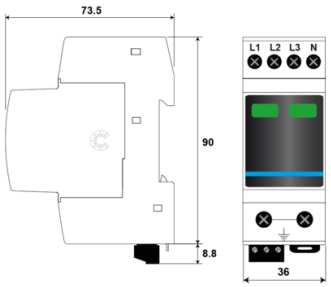
Electrical Characteristics		
SPD type (following IEC tests)		2 (or 3)
Network		230/400 V
AC system		TN
Max. AC operating voltage	Uc	275 Vac
Temporary Over Voltage (TOV) Charasteristics - 5 sec. (Without disconnection)	UT	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn (Without 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	5 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	15 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	60 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	10 kV
Protection mode(s)		L/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)		MDAC15C-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		20 A min. - 125 A max. - Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

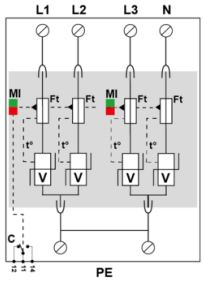
Type 2 (or 3) AC surge protector - 3-phase+N

AC POWER

DAC15CS-40-320

- Compact 3-phase type 2 (or 3) surge protector
- In : 5 kA
- Imax : 15 kA
- Common mode/differential
- Pluggable module
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.4 compliance





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

Electrical Characteristics		
SPD type (following IEC tests)		2 (or 3)
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	5 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	15 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	60 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	10 kV
Protection mode(s)		L/PE
Protection level N/PE (@ In (8/20µs))	Up N/PE	1.1 kV
Protection level L/PE (@ In (8/20µs))	Up L/PE	1.1 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)		MDAC15C-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		20 A min. - 125 A max. - Type gG
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4
Certification		KEMA / EAC

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