DLPM
Технические характеристики

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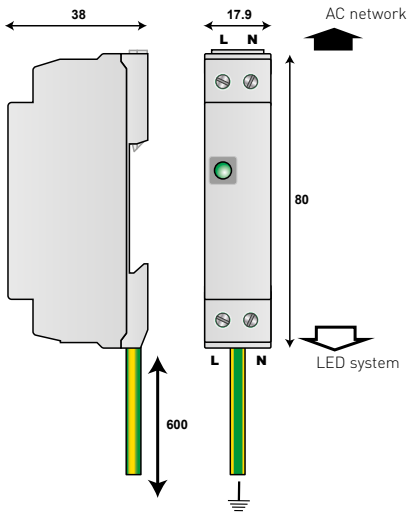
Эл. почта cft@nt-rt.ru || Сайт: https://citel.nt-rt.ru/

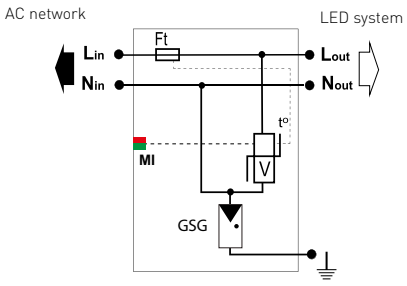
DLPM1-230L

DLPM SERIES

- Type 2 (or 3) surge protectors for Led
- Very compact (low profile)
- Mechanical status indicator
- 15 kA Imax version (DLPM1-230L/15K)
- DIN rail mounting
- Screw terminal connection
- Disconnection AC end of life
- IEC 61643-11 and EN 61643-11 certified

DLPM1





DLPM1

V: Varistor
Ft: Thermal fuse
MI: Mechanical disconnection indicator
t°: Thermal disconnection system
GSG: Specific Gas Tube

Characteristics

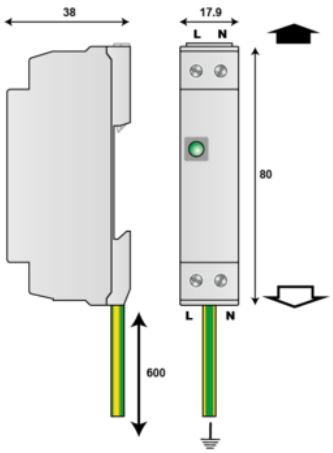
CITEL Model		DLPM1-230L	DLPM1-230L/15K	DLPM2-230L
Description		Surge protectors for LED lighting system		
Application		Class I system	Class I system	Class II system
Network		220-240 V single phase	220-240 V single phase	220-240 V single phase
AC system		TT/TN	TT/TN	TT/TN
Protection mode(s)		L/N and N/PE	L/N and N/PE	L/N
Max. AC operating voltage	Uc	320 Vac	320 Vac	320 Vac
Max. Load current	IL	10 A	10 A	10 A
Residual current *Leakage current at Uc*	Ipe	none	none	-
Temporary Over Voltage (TOV) Charasteristics - 5 sec.	UT	335 Vac withstand	335 Vac withstand	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 120 mn	UT	440 Vac disconnection	440 Vac disconnection	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	UT	1200V /300A/ 200 ms disconnection	1200V /300A/ 200 ms disconnection	-
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	10 kA	15 kA	10 kA
Total discharge current *max. total withstand @ 8/20 µs*	Imax total	20 kA	30 kA	-
Withstand on Combination waveform *- Class III test*	Uoc	10 kV	10 kV	10 kV
Protection level L/N *@In (8/20µs)*	Up	1.5 kV	1 kV	1.5 kV
Protection level L/N *@In (8/20µs)*	Up	1.5 kV	1.5 kV	-
Admissible short-circuit current	Isccr	10000 A	10000 A	10000 A
Associated disconnectors				
Thermal disconnector		internal		
Installation ground fault breaker		Type «S» or delayed		
Mechnical characteristics				
Dimensions		see diagram		
Connection to Network		Screw terminal 2.5 mm² max. Earthing conductor 2 mm² length 60 cm		
Voltage/operating indicator		Mechanical indicator green		
Disconnection indicator		Red indicator and AC network cut-off		
Failsafe behavior		Disconnection and AC network cut-off		
Mounting		Symmetrical rail 35mm (EN60715)		
Operating temperature		-40/+85°C		
Protection rating		IP20		
Housing material		Thermoplastic UL94 V-0		
Standards				
Certification		EN 61643-11 / IEC 61643-11		
Part number				
		355913	355973	-

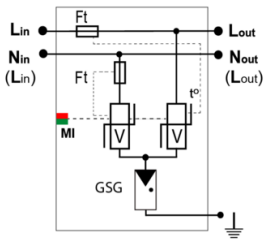
Surge protector for LED lighting system Class 1

LED

DLPM1-230L/Y

- Type 2 (or 3) surge protectors for LED
- For single-phase or biphase network
- Very compact (low profile)
- DIN rail mounting
- Screw terminal connection
- Mechanical status indicator
- Disconnection AC end of life
- EN 61643-11 compliance





V: Varistor
GSG: Specific gas tube
Ft: Thermal fuse
MI: Mechanical status indicator
t°: Thermal system disconnection

Electrical Characteristics		
SPD type (following IEC tests)		2 (or 3)
Network		220-240V single-phase or biphase network
AC system		TN
Max. AC operating voltage	Uc	320 Vac
Max. load current	IL	10 A
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 breaker disconnection
Residual Current (Leakage current to Ground)	Ipe	None
Nominal discharge current (15 x 8/20 µs impulses)	In	5 kA
Max. discharge current (max. withstand @ 8/20 µs by pole)	Imax	10 kA
Total Maximum discharge current (max. total withstand @ 8 /20 µs)	Imax Total	20 kA
Withstand on Combination waveform IEC 61643-11 (Class III test: 1.2/50µs - 8/20µs)	Uoc	10 kV / 5 kA
Withstand on overvoltages IEEE C62.41.1		10 kV / 10 kA
Protection mode(s)		Common/Differential mode
Protection level L/N (@ In (8/20µs))	Up L/N	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+GDT
Connection to Network		Screw terminal 2.5 mm² max. Earthing conductor 2 mm² - length 60 cm
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		AC network cutt-off
Disconnection indicator		Green Led OFF and AC line cut-off
Voltage/operating indicator		Green Indicator
Remote signaling of disconnection		No
Dimensions		See diagram
Weight		0.068 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Standards		
Standards compliance		EN 61643-11 / IEC 61643-11
Certification		UL / EAC / TUV

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