

# Аксессуары для У ИП

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

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Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
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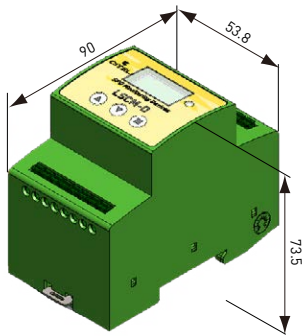
# LSCM-D RANGE



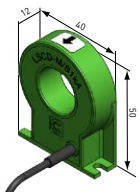
Complete unit LSCM-D/24/P1000

- Lightning and Surge Current Counter & SPD monitoring device
- Wide surge current detection range :
  - 0.3/25 kA or 1/50 kA @ 10/350µs
  - 0.3/50 kA or 1/100 kA @ 8/20µs
- Front display for access to recorded events and device parameters
- Peak current and time stamping recording of the surge currents
- RS485 communication interface / MODBUS protocol
- Monitoring features : 2 inputs (SPD or disconnecter status)/1 output
- IEC62561-6 compliance

## Characteristics



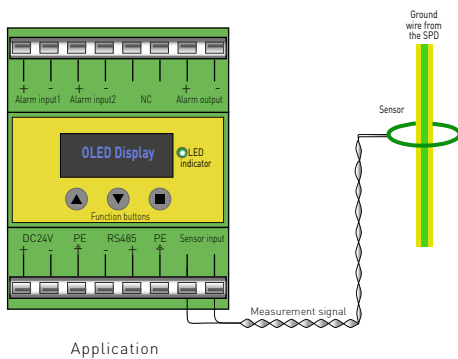
Monitoring unit LSCM-D/24



Sensor LSCM-P1000

CITEL Range	LSCM		
Application	Detect and record surge & lightning currents and monitor the SPD status		
Range of lightning current detection	P1000 version: 1-100 kA (8/20µs), 1-50 kA (10/350µs) P300 version: 0.3-50 kA (8/20µs), 0.3-25 kA (10/350µs)		
Input/output	Two channels of input switching signal and one channel of output switching signal		
Communication	RS485 bus (MODBUS protocol)		
Power supply	24 Vdc/ 24 Vac (LSCM-D/24) or 120/230 Vac (LSCM-D/230AC)		
Built-in battery (date saving) life	3-6 months, rechargeable		
Error and precision (peak value)	0.1 kA ; +/- 5%		
Display module	128*64 lattice OLED display, green/red status LED display		
CITEL model	LSCM-D/**	LSCM-P1000	LSCM-P300
Description	Monitoring unit	1 kA sensor	0.3 kA sensor
Dimensions	See diagram	See diagram	see diagram
Weight	130 g	40 g (with 1m wire)	40 g (with 1m wire)
Mounting	Symmetrical DIN rail 35 mm (EN60715)	2*M3 bolts	2*M3 bolts
Operating temperature	-25/+70°C	-25/70°C	-25/+70°C
Storage temperature	-20/+60°C	-20/+60°C	-20/+60°C
Protection rating	IP20	IP20	IP20
Housing material	Thermoplastic UL94 V-0	Thermoplastic UL94 V-0	Thermoplastic UL94 V-0
Connection wire	Not provided	Coaxial cable AWG26	Coaxial cable AWG26
Ground connection	Two connection PE ports	NA	NA
Terminal connection	Spring-cage terminals	Wire connection	Wire connection
Standards			
Compliance	EN 62561-6		
Part number			
LSCM-D/24/P1000	Complete set - 24V power - 1 kA mini detection	793532	
LSCM-D/24/P300	Complete set - 24V power - 0.3 kA mini detection	793531	
LSCM-D/230AC/P1000	Complete set - 230Vac power - 1 kA mini detection	793534	
LSCM-D/230AC/P300	Complete set - 230Vac power - 0.3 kA mini detection	793533	

\*\* ) 24 or 230AC



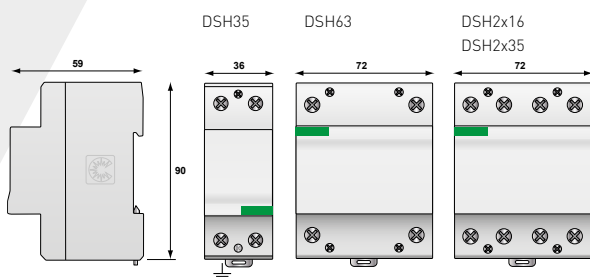
# DSH SERIES



DSH 35

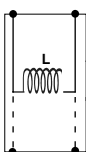
- Coordination inductors for Surge Protectors
- For use with the DS series
- 35 A and 63 A versions
- 2x16 A and 2x35 A double inductor versions
- See «coordination» pages 20-21

## Characteristics

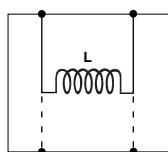


CITEL model	DSH63	DSH35	DSH2x35	DSH2x16
Description	Coordination inductor			
Max. operating voltage	Uc 500 Vac	500 Vac	500 Vac	500 Vac
Max. line current	IL 63 A	35 A	2 x 35 A	2 x 16 A
Line inductance	15 µH	15 µH	2 x 15 µH	2 x 15 µH
<b>Mechanical characteristics</b>				
Wiring	1 DSH in serie on each active wire		1 DSH in series on 2 active wires	
Dimensions	see diagram			
Connection	screw terminals : 6-35 mm <sup>2</sup>			
Mounting	Symmetrical DIN rail 35 mm (EN60715)			
Operating temperature	-40/+85°C			
Protection class	IP20			
Housing material	Thermoplastic UL94 V-0			
<b>Part number</b>				
	360807	360806	360808	2690

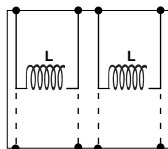
DSH35



DSH63



DSH2x16  
DSH2x35



L : inductor

## SFD SERIES



- Specific Fuses (SPD Fusing Disconnectors) for short circuit protection of Type 1 AC surge protectors
- Surge current withstand: 12.5 or 25 kA @ 10/350µs
- Very compact
- Fusion signaling feature
- Remote signaling through fuse holder

The SFD range has been especially designed to associated with Type 1 SPDs. These very specific fuses are able to conduct huge surge currents in rather small dimensions to protect Type 1 SPDs against harsh short circuit failures.

In order to comply IEC61643-11 standard, AC power SPD must be protected against short circuit failures : these specific fusing disconnectors must be installed in the SPD branches.

The SFD are equipped with fusing indicator to be used inside dedicated holder with remote signalling feature.

the SFD disconnectors must be used with specific fuse holders which provide :

- Relevant surge current capability
- Remote signaling feature
- Switching (useful for maintenance purpose)

### Characteristics

CITELE Model		SFD1-25	SFD1-13
Description		Fusing disconnector for Type 1 AC surge protector	
Maximum AC operating voltage	Uc	500 Vac	500 Vac
Maximal discharge current	I <sub>max</sub>	100 kA	80 kA
<i>1 x 8/20 µs impulse</i>			
Nominal discharge current	I <sub>n</sub>	80 kA	50 kA
<i>15 x 8/20 µs impulses</i>			
Maximum discharge current	I <sub>imp</sub>	25 kA	12.5 kA
<i>max. withstand 10/350µs by pole</i>			
Equivalent rated AC current		250 A	125 A
Residual voltage @ I <sub>imp</sub>	U <sub>p</sub>	< 0.5 kV	< 0.4 kV
Breaking capacity		100 000 A	100 000 A
<b>Safety</b>			
Fusing indicator		yes	
Remote fusing indication		through dedicated fuse holder	
<b>Mechanical characteristics</b>			
Format		Cylindrical	Cylindrical
Dimensions		22x58 mm	14x51 mm
Mounting		on cylindrical fuse holder	
Operating temperature		-40/+85°C	
Protection rating		IP20	
<b>Standards</b>			
Compliance		EN 61643-11 / IEC 61643-11 EN 60269-1/EN 60269-2/IEC60269-1/IEC60269-2	
<b>Part number</b>			
		39489	39466



SFD1-25S-31

SFD1-13S-11

ASSEMBLY OF FUSES SFD1-13 (14x51) + HOLDERS		
SFD1-13S-11*	64047	Assembly for single phase (L+N) + remote signal
SFD1-13S-20**	64051	Assembly for single phase (L+N) + remote signal
SFD1-13S-30	64052	Assembly for 3-phase + remote signal
SFD1-13S-31*	64048	Assembly for 3-phase+N + remote signal
SFD1-13S-40**	64053	Assembly for 3-phase+N + remote signal
ASSEMBLY OF FUSES SFD1-25 (22x58) + HOLDERS		
SFD1-25S-11*	64049	Assembly for single phase (L+N) + remote signal
SFD1-25S-20**	64055	Assembly for single phase (L+N) + remote signal
SFD1-25S-30	64056	Assembly for 3-phase + remote signal
SFD1-25S-31*	64058	Assembly for 3-phase+N + remote signal
SFD1-25S-40**	64057	Assembly for 3-phase+N + remote signal

\* the Neutral position is equipped with a non-fusing element, for TT and TN system application

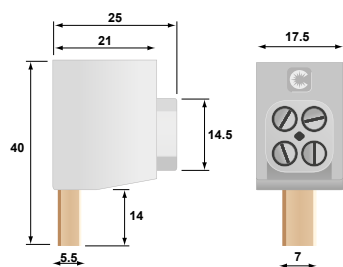
\*\* the Neutral position is equipped with a fusing element, for IT system application

## DSDT16

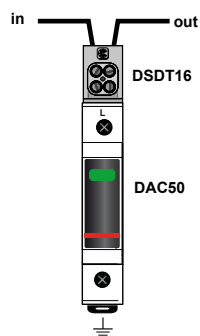


- «V» connection screw terminal for SPD
- Improved connection for better efficiency
- 2 x 35 mm<sup>2</sup> wire connection

## Characteristics



CITEL model	DSDT16
Description	Screw terminal for «V» connection
Mini-max. cross section	2.5 - 35 mm <sup>2</sup> (13-2 AWG)
Torque	2-2,2 Nm (18-22 lb-in)
Max Load Current (IL)	100 A
Insulation material	Polycarbonate UL94 V-0
Metal part	Brass
Mounting	on DAC/DS range terminal
Part number	400102



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