

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

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