

## 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 be 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 disconnecter 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>	Imax	100 kA	80 kA
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In	80 kA	50 kA
Maximum discharge current <i>max. withstand 10/350µs by pole</i>	limp	25 kA	12.5 kA
Equivalent rated AC current		250 A	125 A
Residual voltage @ limp	Up	< 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

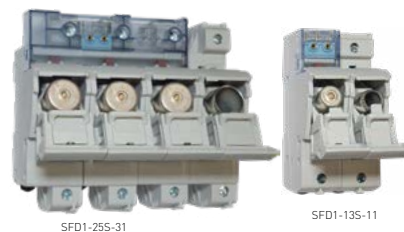
### ASSEMBLY OF FUSES SFD1-13 (14x51) + HOLDERS

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



## Protection Kit

### ASSEMBLY AC SPD + FUSES + BUSBAR OF CONNECTION

Protection KIT DAC1-13VGS-11-275	3024264047
Protection KIT DAC1-13VGS-30-275	3022364052
Protection KIT DAC1-13S-30-440	1042364052
Protection KIT DAC1-13VGS-31-275	3024464048
Protection KIT DAC1-13VGS-40-275	3022464053