



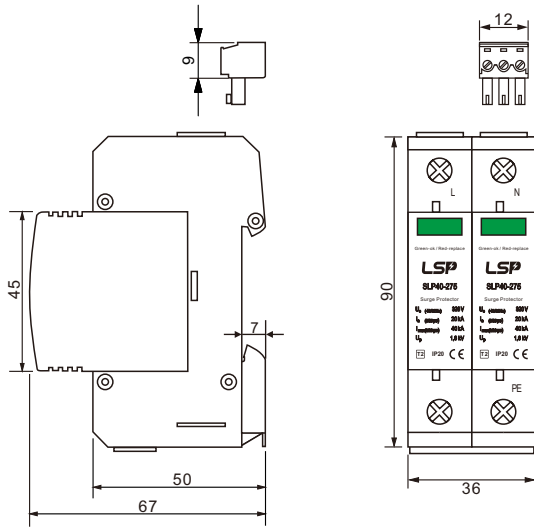
# SLP40-275/2 SLP40-275/2S

- Type 2 Surge Protector
- In: 20 kA
- Imax: 40 kA
- Pluggable module for each phase
- Remote signaling option
- IEC 61643-11 and EN 61643-11 Compliance

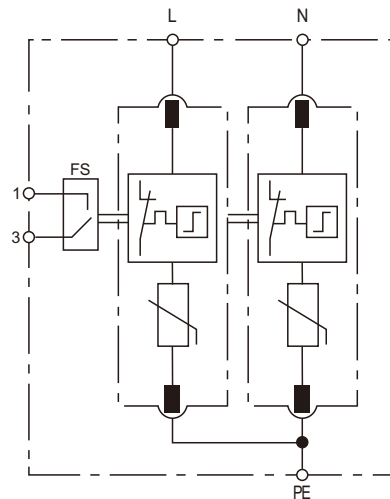


SLP40-275/2S

## Dimension drawing



## Basic circuit diagram



## Technical data

Model	SLP40-275	
Description	Type 2 AC surge protector - one-phase - pluggable	
Network	230/400 V	
Connection mode	L/N or N/PE	
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage(TOV) Characteristics - 5 sec.	UT	335 Vac withstand
Temporary Over Voltage(TOV) Characteristics - 120mm	UT	440 Vac disconnection
Residual current - Leakage current at Uc	Ipe	< 1mA
Follow current	If	None
Nominal discharge current at - 15×8/20 μs impulses	In	20 kA
Max. discharge current -max. withstand @ 8/20 μs by pole	Imax	40 kA
Protection level CM/DM @In (8/20μs) and @ 6kV (1.2/50μs)	Up	1.6 kV
Current withstand short circuit PV	Iscrr	25000 A
Associated disconnectors		
Thermal disconnector	internal	
Fuses (if required)	Fuses Type gG -50 A	
Installation ground fault breaker	Type "S" or delayed	
Mechanical characteristics		
Dimensions	see diagram	
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / by bus	
Disconnection indicator	1 mechanical indicator	
Remote signaling of disconnection	option SLP40-275 : output on changeover contact	
Mounting	Symmetrical rail 35 mm (EN60715)	
Operating temperature	-40/+85°C	
Protection rating	IP20	
Housing material	Thermoplastic UL94-V0	
Standards compliance	IEC 61643-11 / EN 61643-11	
Order type	SLP40-275/2	SLP40-275/2S

# SLP40-275/3

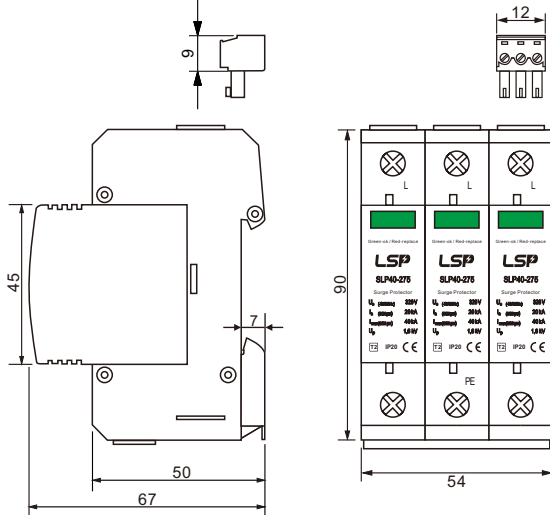
## SLP40-275/3S

- Type 2 Surge Protector
- In: 20 kA
- I<sub>max</sub>: 40 kA
- Pluggable module for each phase
- Remote signaling option
- IEC 61643-11 and EN 61643-11 Compliance

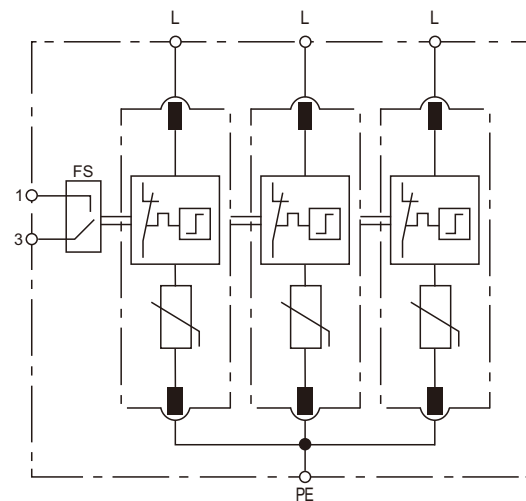


SLP40-275/3S

### Dimension drawing



### Basic circuit diagram



### Technical data

Model		SLP40-275
Description		Type 2 AC surge protector - three-phase - pluggable
Network		230/400 V
Connection mode		L/N or N/PE
Max. AC operating voltage	U <sub>c</sub>	320 Vac
Temporary Over Voltage(TOV) Characteristics - 5 sec.	UT	335 Vac withstand
Temporary Over Voltage(TOV) Characteristics - 120mm	UT	440 Vac disconnection
Residual current - Leakage current at U <sub>c</sub>	I <sub>pe</sub>	< 1mA
Follow current	I <sub>f</sub>	None
Nominal discharge current at - 15×8/20 μs impulses	I <sub>n</sub>	20 kA
Max. discharge current -max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA
Protection level CM/DM @I <sub>n</sub> (8/20μs) and @ 6kV (1.2/50μs)	U <sub>p</sub>	1.6 kV
Current withstand short circuit PV	I <sub>sc</sub>	25000 A
Associated disconnectors		
Thermal disconnector		internal
Fuses (if required)		Fuses Type gG -50 A
Installation ground fault breaker		Type "S" or delayed
Mechanical characteristics		
Dimensions		see diagram
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Disconnection indicator		1 mechanical indicator
Remote signaling of disconnection		option SLP40-275 : output on changeover contact
Mounting		Symmetrical rail 35 mm (EN60715)
Operating temperature		-40/+85°C
Protection rating		IP20
Housing material		Thermoplastic UL94-V0
Standards compliance		IEC 61643-11 / EN 61643-11
Order type		SLP40-275/3      SLP40-275/3S



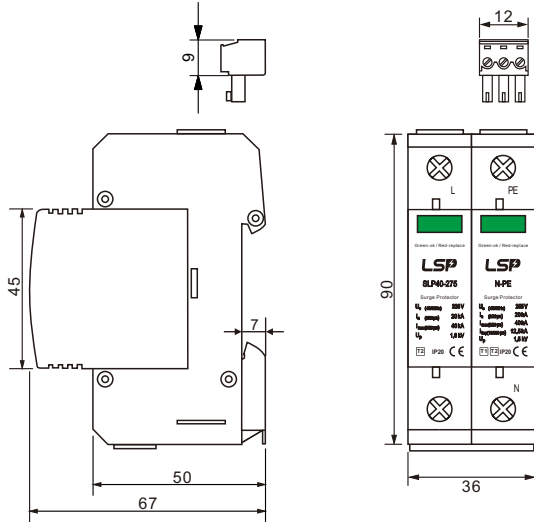
# SLP40-275/1+1 SLP40-275/1S+1

- Type 2 Surge Protector
- In: 20 kA
- I<sub>max</sub>: 40 kA
- Pluggable module for each phase
- Remote signaling option
- IEC 61643-11 and EN 61643-11 Compliance

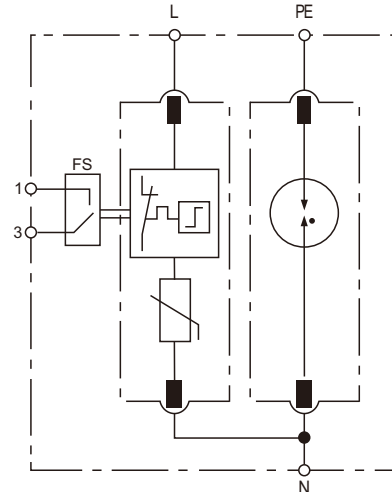


SLP40-275/1S+1

## Dimension drawing



## Basic circuit diagram



## Technical data

		L-N	N-PE
Model		SLP40-275	
Description		Type 2 AC surge protector - one-phase - pluggable	
Network	U <sub>n</sub>	230/400 V	—
Max. AC operating voltage	U <sub>c</sub>	320 Vac	255 Vac
Temporary Over Voltage(TOV) Characteristics - 5 sec.	U <sub>T</sub>	335 Vac withstand	1000 Vac withstand
Temporary Over Voltage(TOV) Characteristics - 120mm	U <sub>T</sub>	440 Vac disconnection	1325 Vac disconnection
Residual current - Leakage current at U <sub>c</sub>	I <sub>pe</sub>	< 1mA	< 1mA
Follow current	I <sub>f</sub>	None	100 A
Nominal discharge current at - 15×8/20 μs impulses	I <sub>n</sub>	20 kA	20 kA
Max. discharge current -max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA	40 kA
lighting impulse current(10/350μs)	I <sub>imp</sub>	—	12,5 kA
Protection level	U <sub>p</sub>	1.6 kV	1.5 kV
Response time	t <sub>a</sub>	25 ns	100 ns
Admissible short-circuit current	I <sub>sc</sub>	25000 A	25000 A
Associated disconnectors			
Thermal disconnector		internal	—
Installation ground fault breaker		Fuses Type gG -50 A	—
Fuses (if required)		Type "S" or delayed	—
Mechanical characteristics			
Dimensions		see diagram	see diagram
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus	By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Disconnection indicator		1 mechanical indicator	1 mechanical indicator
Cross-sectional area (min.)		1.5mm <sup>2</sup> solid / flexible	1.5mm <sup>2</sup> solid / flexible
Cross-sectional area (max.)		35mm <sup>2</sup> stranded / 25 mm <sup>2</sup> flexible	35mm <sup>2</sup> stranded / 25 mm <sup>2</sup> flexible
Fault indication		red indication field	no
Remote indication – S design		potential-free change-over contact	—
Remote indication contacts		250 V / 0,5 AAC, 250 V / 0,1 A DC	—
Cross-section of remote indication conductors		max. 1,5 mm <sup>2</sup>	—
Mounting		Symmetrical rail 35 mm (EN60715)	Symmetrical rail 35 mm (EN60715)
Operating temperature		-40/+85°C	-40/+85°C
Protection rating		IP20	IP20
Housing material		Thermoplastic UL94-V0	Thermoplastic UL94-V0
Standards compliance		IEC 61643-11 / EN 61643-11	IEC 61643-11 / EN 61643-11
Order type		SLP40-275/1+1 SLP40-275/1S+1	

# SLP40-275/3+1

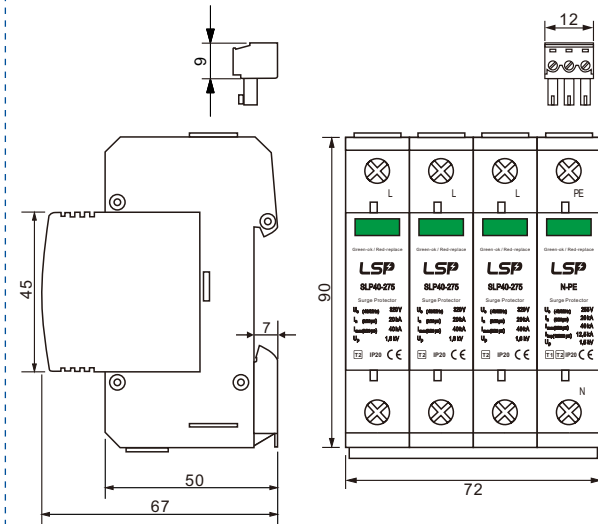
## SLP40-275/3S+1

- Type 2 Surge Protector
- In: 20 kA
- I<sub>max</sub>: 40 kA
- Pluggable module for each phase
- Remote signaling option
- IEC 61643-11 and EN 61643-11 Compliance

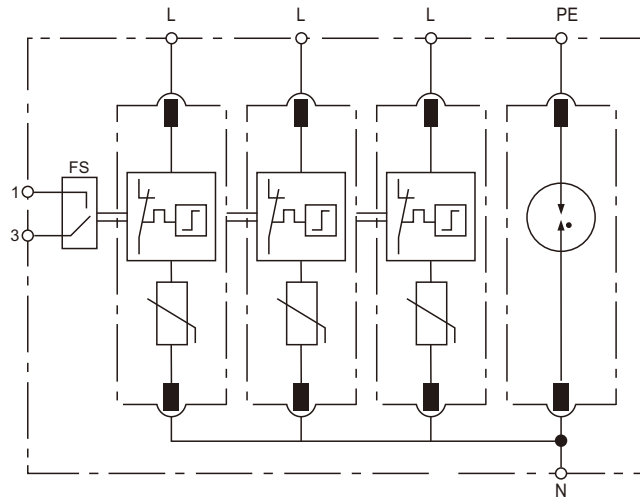


SLP40-275/3S+1

### Dimension drawing



### Basic circuit diagram



### Technical data

		L-N	N-PE
		SLP40-275	
Model		SLP40-275	
Description		Type 2 AC surge protector - three-phase - pluggable	
Network	U <sub>n</sub>	230/400 V	—
Max. AC operating voltage	U <sub>c</sub>	320 Vac	255 Vac
Temporary Over Voltage(TOV) Characteristics - 5 sec.	U <sub>T</sub>	335 Vac withstand	1000 Vac withstand
Temporary Over Voltage(TOV) Characteristics - 120mm	U <sub>T</sub>	440 Vac disconnection	1325 Vac disconnection
Residual current - Leakage current at U <sub>c</sub>	I <sub>pe</sub>	< 1mA	< 1mA
Follow current	I <sub>f</sub>	None	100 A
Nominal discharge current at - 15×8/20 μs impulses	I <sub>n</sub>	20 kA	20 kA
Max. discharge current -max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA	40 kA
lighting impulse current(10/350μs)	I <sub>imp</sub>	—	12,5 kA
Protection level	U <sub>p</sub>	1.6 kV	1.5 kV
Response time	t <sub>a</sub>	25 ns	100 ns
Admissible short-circuit current	I <sub>sc</sub>	25000 A	25000 A
Associated disconnectors			
Thermal disconnector		internal	—
Installation ground fault breaker		Fuses Type gG -50 A	—
Fuses (if required)		Type "S" or delayed	—
Mechanical characteristics			
Dimensions		see diagram	see diagram
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus	By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Disconnection indicator		1 mechanical indicator	1 mechanical indicator
Cross-sectional area (min.)		1.5mm <sup>2</sup> solid / flexible	1.5mm <sup>2</sup> solid / flexible
Cross-sectional area (max.)		35mm <sup>2</sup> stranded / 25 mm <sup>2</sup> flexible	35mm <sup>2</sup> stranded / 25 mm <sup>2</sup> flexible
Fault indication		red indication field	no
Remote indication – S design		potential-free change-over contact	—
Remote indication contacts		250 V / 0,5 AAC, 250 V / 0,1 A DC	—
Cross-section of remote indication conductors		max. 1,5 mm <sup>2</sup>	—
Mounting		Symmetrical rail 35 mm (EN60715)	Symmetrical rail 35 mm (EN60715)
Operating temperature		-40/+85°C	-40/+85°C
Protection rating		IP20	IP20
Housing material		Thermoplastic UL94-V0	Thermoplastic UL94-V0
Standards compliance		IEC 61643-11 / EN 61643-11	IEC 61643-11 / EN 61643-11
Order type		SLP40-275/3+1 SLP40-275/3S+1	