



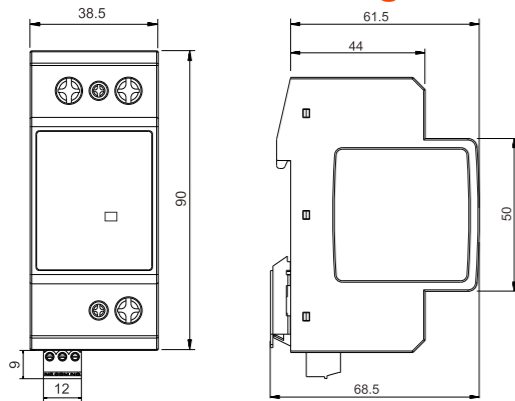
## Class II surge protector YSPD-80B-385-R/1PN



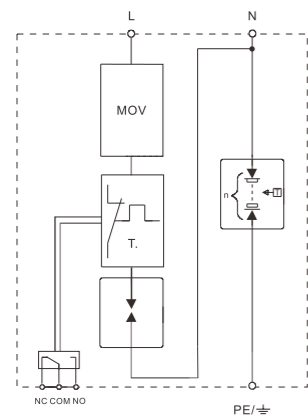
### Description

Integrated Class II/Class 2 composite SPD, suitable for 240/415Vac TT and TN power distribution systems, usually installed in lightning protection zones LPZ 0B-3 and subsequent zones.

### Dimension drawing



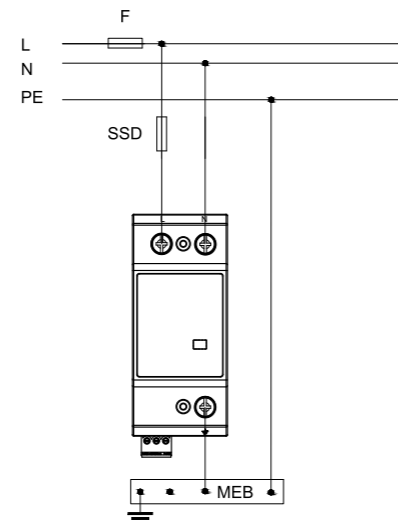
### Circuit diagram



### Features

- No follow-through No leakage current
- Main circuit tripping is safer
- Residual voltage as low as 1.8kV
- Fault indication Remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-80B-385-R/1PN
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	Class II
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	240/415 Vac
Max. continuous operating voltage (U <sub>c</sub> )	385 Vac(L-N),260 Vac(N-PE)
Nominal discharge current (8/20μs) (I <sub>n</sub> )	40 kA(L-N),40 kA(N-PE)
Max. discharge current (8/20μs) (I <sub>max</sub> )	80 kA(L-N),80 kA(N-PE)
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>P</sub> )	1.8 kV(L-N),1.5 kV(N-PE)
Voltage protection level for 5kA (U <sub>P</sub> )	1.0 kV
Response time (t <sub>A</sub> )	≤ 100 ns
Special backup protection device for surge	ESCB-80TB /2P
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	480 V/120 min(L-N),1200 V/200 ms(N-PE)
TOV characteristic	Withstand(L-N),Withstand(N-PE)

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 38.5 mm x 68.5 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A),Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911545



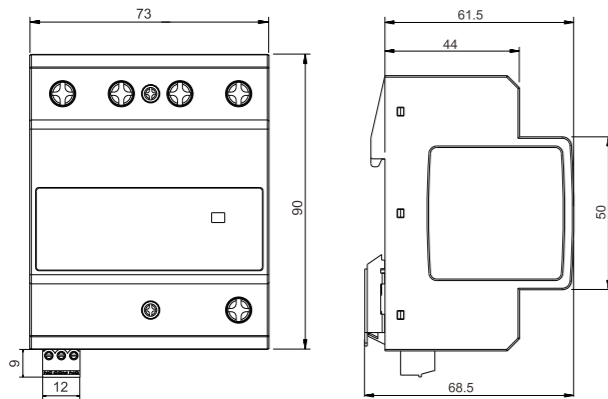
## Class II surge protector YSPD-80B-385-R/3PN



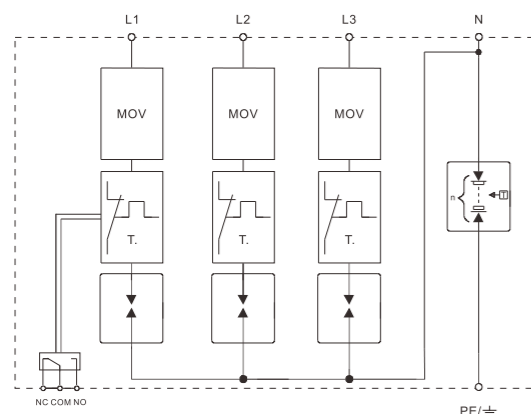
### Description

Integrated Class II/Class 2 composite SPD, suitable for 240/415Vac TT and TN power distribution systems, usually installed in lightning protection zones LPZ 0B-3 and subsequent zones.

### Dimension drawing



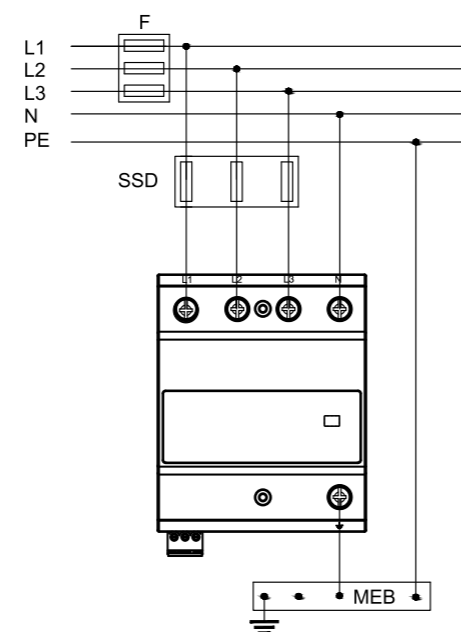
### Circuit diagram



### Features

- No follow-through No leakage current
- Main circuit tripping is safer
- Residual voltage as low as 1.8kV
- Fault indication Remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-80B-385-R/3PN
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	Class II
Number of ports	1
Technology	GAP&MOV
Nominal Voltage ( $U_N$ )	240/415 Vac
Max. continuous operating voltage ( $U_c$ )	385 Vac(L-N), 260 Vac(N-PE)
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	40 kA(L-N), 40 kA(N-PE)
Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )	80 kA(L-N), 80 kA(N-PE)
Follow current extinguishing capability ( $I_{fi}$ )	Infinite
Voltage protection level ( $U_P$ )	1.8 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5kA ( $U_P$ )	1.0 kV
Response time ( $t_A$ )	$\leq 100$ ns
Special backup protection device for surge	ESCB-80TB /4P
Short-circuit withstand capability ( $I_{SCCR}$ )	25 kArms
Temporary overvoltage (TOV) ( $U_T$ )	480 V/120 min(L-N), 1200 V/200 ms(N-PE)
TOV characteristic	Withstand(L-N), Withstand(N-PE)

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 73 mm x 68.5 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range ( $T_u$ )	-40 °C...+85 °C
Relative humidity	$\leq 95\%$ (max 40 °C)
Operation altitude	$\leq 4$ km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911645



## Class II surge protector YSPD-80B-600-R/1P



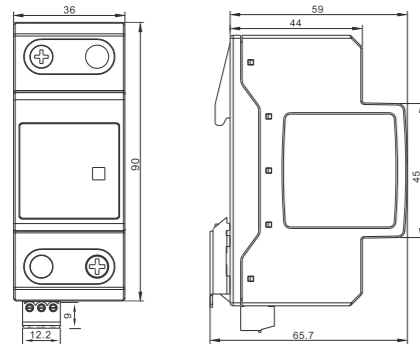
### Description

Composite type II/2 level surge protector with high voltage and large current discharge capacity is suitable for a variety of power distribution systems. It is usually installed in lightning protection zones LPZ 0B-3 and subsequent zones, and is mostly used for the protection of wind power converters and generators.

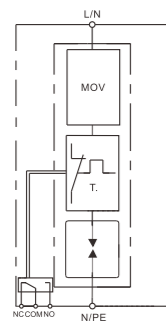
### Features

- High voltage and high current capability
- No follow-through and no leakage current
- Reliable thermal disconnect
- Fault indication remote signal alarm

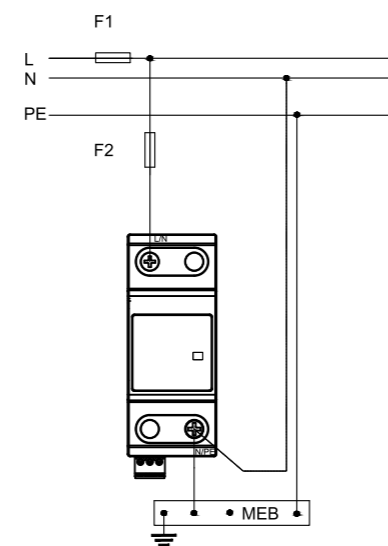
### Dimension drawing



### Circuit diagram



### Wiring diagram



### Electrical

Product model	YSPD-80B-600-R/1P
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	II级
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	600 Vac
Max. continuous operating voltage (U <sub>c</sub> )	600 Vac
Nominal discharge current (8/20μs) (I <sub>n</sub> )	40 kA
Max. discharge current (8/20μs) (I <sub>max</sub> )	80 kA
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>P</sub> )	2.8 kV
Voltage protection level for 5kA (U <sub>P</sub> )	2.0 kV
Response time (t <sub>A</sub> )	≤ 25 ns
Max. overcurrent protection	≤ 200 AgL/gG
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	690 V/5 s
TOV characteristic	Withstand

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 66 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (max 40°C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911147



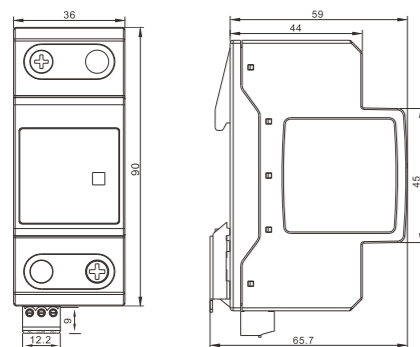
## Class II surge protector YSPD-80B-760-R/1P



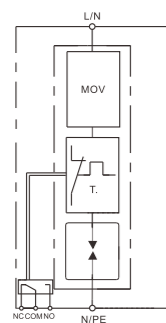
### Description

Composite type II/2 level surge protector with high voltage and large current discharge capacity is suitable for a variety of power distribution systems. It is usually installed in lightning protection zones LPZ 0B-3 and subsequent zones, and is mostly used for the protection of wind power converters and generators.

### Dimension drawing



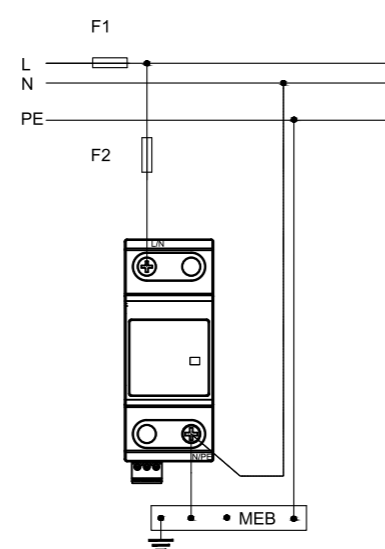
### Circuit diagram



### Features

- High voltage and high current capability
- No follow-through and no leakage current
- Reliable thermal disconnect
- Fault indication remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-80B-760-R/1P
SPD according to IEC/EN 61643-11	Class II
SPD according to GB/T 18802.11	Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	400/690 Vac
Max. continuous operating voltage (U <sub>c</sub> )	760 Vac
Nominal discharge current (8/20μs) (I <sub>n</sub> )	40 kA
Max. discharge current (8/20μs) (I <sub>max</sub> )	80 kA
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>P</sub> )	3.5 kV
Voltage protection level for 5kA (U <sub>P</sub> )	2.5 kV
Response time (t <sub>A</sub> )	≤ 25 ns
Max. overcurrent protection	125 AgL/gG(推荐), 250 AgL/gG(最大)
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	1200 V/5 s, 1000 V/120 min
TOV characteristic	Withstand

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 66 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911148



## Class II surge protector YSPD-80B-1000-R/1P



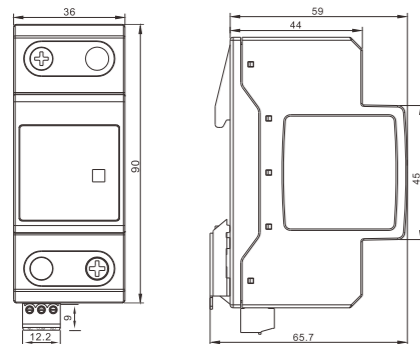
### Description

Composite type II/2 level surge protector with high voltage and large current discharge capacity is suitable for a variety of power distribution systems. It is usually installed in lightning protection zones LPZ 0B-3 and subsequent zones, and is mostly used for the protection of wind power converters and generators.

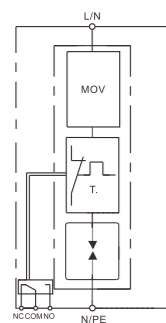
### Features

- High voltage and high current capability
- No follow-through and no leakage current
- Reliable thermal disconnect
- Fault indication remote signal alarm

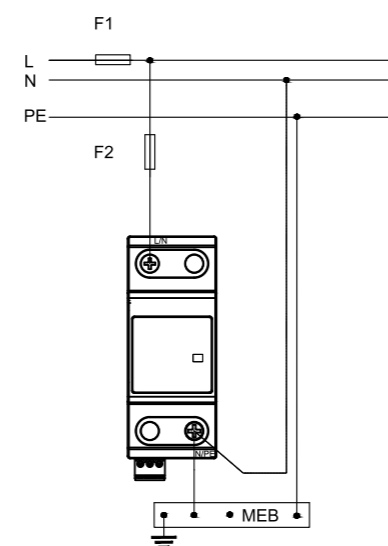
### Dimension drawing



### Circuit diagram



### Wiring diagram



### Electrical

Product model	YSPD-80B-1000-R/1P
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	II级
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	1000 Vac
Max. continuous operating voltage (U <sub>c</sub> )	1000 Vac
Nominal discharge current (8/20μs) (I <sub>n</sub> )	40 kA
Max. discharge current (8/20μs) (I <sub>max</sub> )	80 kA
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>P</sub> )	4.5 kV
Voltage protection level for 5kA (U <sub>P</sub> )	3.5 kV
Response time (t <sub>A</sub> )	≤ 100 ns
Max. overcurrent protection	≤ 200 AgL/gG
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	1600 V/5 s, 1400 V/120 min
TOV characteristic	Withstand

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 66 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911149





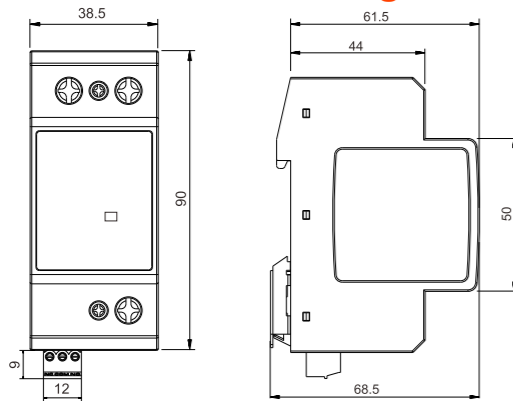
## Class II surge protector YSPD-100B-385-R/1PN



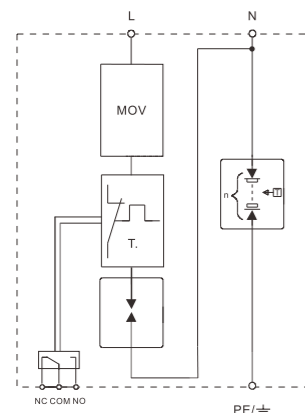
### Description

Integrated Class II/Class 2 composite SPD, suitable for 240/415Vac TT and TN power distribution systems, usually installed in lightning protection zones LPZ 0B-3 and subsequent zones.

### Dimension drawing



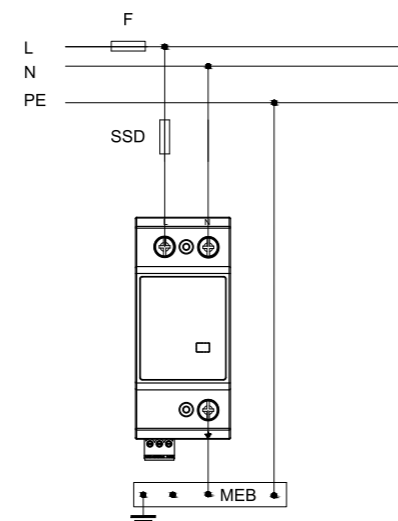
### Circuit diagram



### Features

- No follow-through No leakage current
- Main circuit tripping is safer
- Residual voltage as low as 1.8kV
- Fault indication Remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-100B-385-R/1PN
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	Class II
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	240/415 Vac
Max. continuous operating voltage (U <sub>c</sub> )	385 Vac(L-N), 260 Vac(N-PE)
Nominal discharge current (8/20μs) (I <sub>n</sub> )	50 kA(L-N), 50 kA(N-PE)
Max. discharge current (8/20μs) (I <sub>max</sub> )	100 kA(L-N), 100 kA(N-PE)
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>p</sub> )	1.8 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5kA (U <sub>p</sub> )	1.0 kV
Response time (t <sub>A</sub> )	≤ 100 ns
Special backup protection device for surge	ESCB-100TB /2P
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	480 V/120 min(L-N), 1200 V/200 ms(N-PE)
TOV characteristic	Withstand(L-N), Withstand(N-PE)

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 38.5 mm x 68.5 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911547



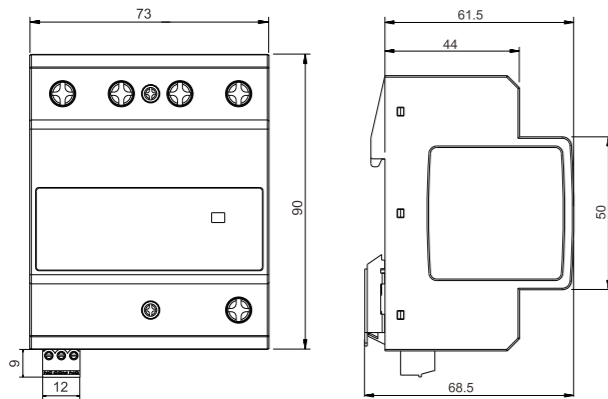
## Class II surge protector YSPD-100B-385-R/3PN



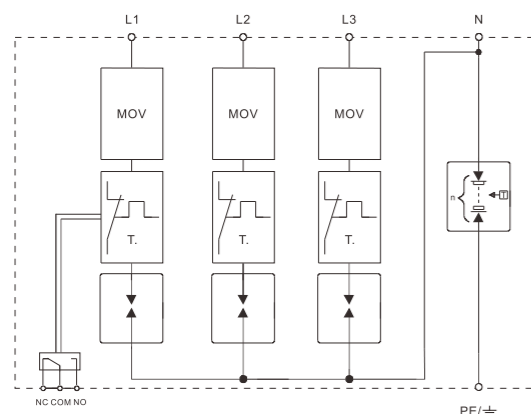
### Description

Integrated Class II/Class 2 composite SPD, suitable for 240/415Vac TT and TN power distribution systems, usually installed in lightning protection zones LPZ 0<sub>B</sub>-3 and subsequent zones.

### Dimension drawing



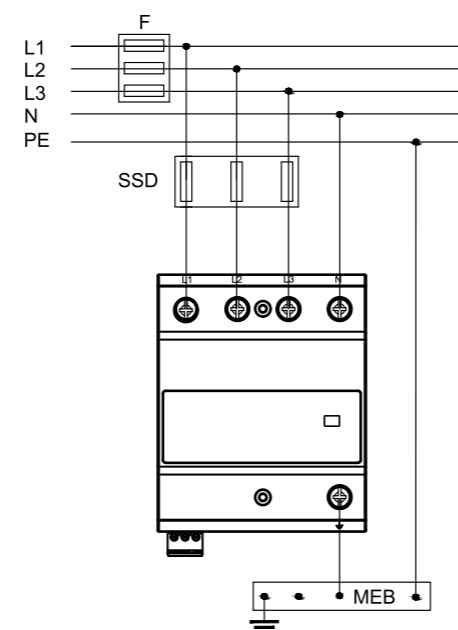
### Circuit diagram



### Features

- No follow-through No leakage current
- Main circuit tripping is safer
- Residual voltage as low as 1.8kV
- Fault indication Remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-100B-385-R/3PN
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	Class II
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	240/415 Vac
Max. continuous operating voltage (U <sub>c</sub> )	385 Vac(L-N), 260 Vac(N-PE)
Nominal discharge current (8/20μs) (I <sub>n</sub> )	50 kA(L-N), 50 kA(N-PE)
Max. discharge current (8/20μs) (I <sub>max</sub> )	100 kA(L-N), 100 kA(N-PE)
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>p</sub> )	1.8 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5kA (U <sub>p</sub> )	1.0 kV
Response time (t <sub>A</sub> )	≤ 100 ns
Special backup protection device for surge	ESCB-100TB /4P
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	480 V/120 min(L-N), 1200 V/200 ms(N-PE)
TOV characteristic	Withstand(L-N), Withstand(N-PE)

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 73 mm x 68.5 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911647



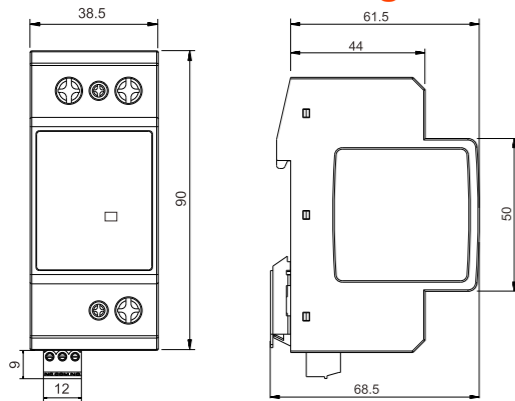
## Class II surge protector YSPD-120B-385-R/1PN



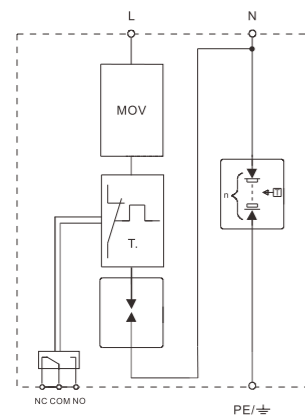
### Description

Integrated Class II/Class 2 composite SPD, suitable for 240/415Vac TT and TN power distribution systems, usually installed in lightning protection zones LPZ 0B-3 and subsequent zones.

### Dimension drawing



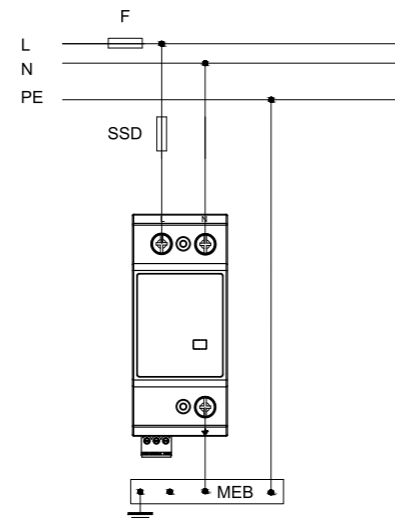
### Circuit diagram



### Features

- No follow-through No leakage current
- Main circuit tripping is safer
- Residual voltage as low as 1.8kV
- Fault indication Remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-120B-385-R/1PN
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	Class II
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	240/415 Vac
Max. continuous operating voltage (U <sub>C</sub> )	385 Vac(L-N), 260 Vac(N-PE)
Nominal discharge current (8/20μs) (I <sub>n</sub> )	60 kA(L-N), 60 kA(N-PE)
Max. discharge current (8/20μs) (I <sub>max</sub> )	120 kA(L-N), 120 kA(N-PE)
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>P</sub> )	1.8 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5kA (U <sub>P</sub> )	1.0 kV
Response time (t <sub>A</sub> )	≤ 100 ns
Special backup protection device for surge	ESCB-120TB/2P
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	480 V/120 min(L-N), 1200 V/200 ms(N-PE)
TOV characteristic	Withstand(L-N), Withstand(N-PE)

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 38.5 mm x 68.5 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911554





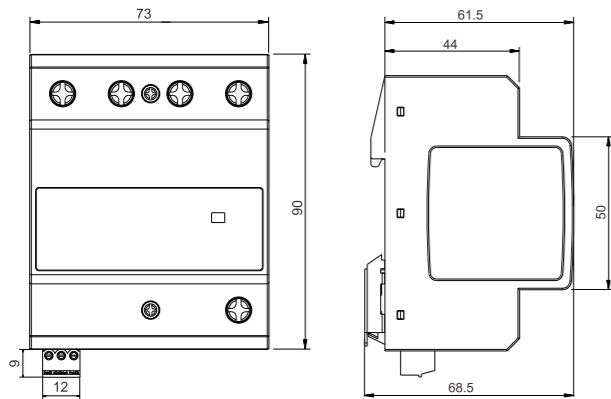
## Class II surge protector YSPD-120B-385-R/3PN



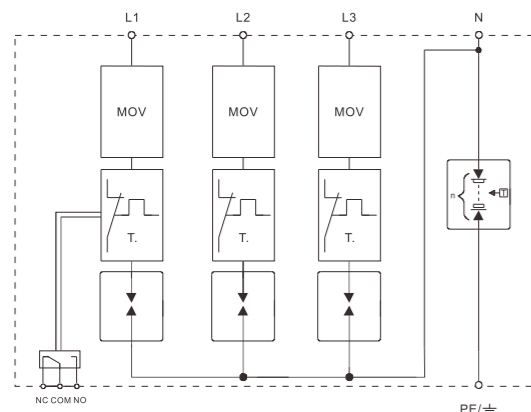
### Description

Integrated Class II/Class 2 composite SPD, suitable for 240/415Vac TT and TN power distribution systems, usually installed in lightning protection zones LPZ 0B-3 and subsequent zones.

### Dimension drawing



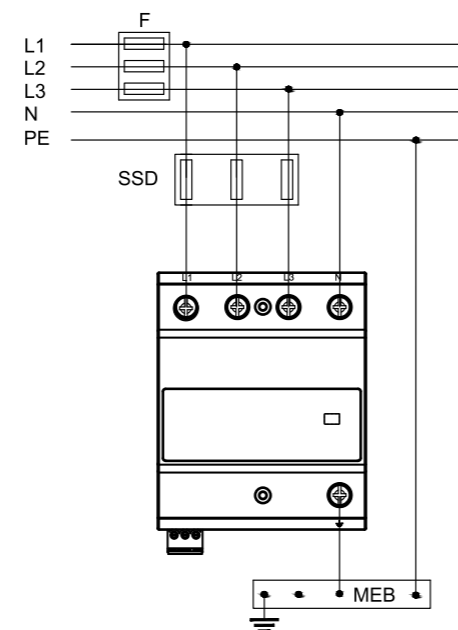
### Circuit diagram



### Features

- No follow-through No leakage current
- Main circuit tripping is safer
- Residual voltage as low as 1.8kV
- Fault indication Remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-120B-385-R/3PN
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	Class II
Number of ports	1
Technology	GAP&MOV
Nominal Voltage ( $U_N$ )	240/415 Vac
Max. continuous operating voltage ( $U_c$ )	385 Vac(L-N), 260 Vac(N-PE)
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	60 kA(L-N), 60 kA(N-PE)
Max. discharge current (8/20 $\mu$ s) ( $I_{max}$ )	120 kA(L-N), 120 kA(N-PE)
Follow current extinguishing capability ( $I_{fi}$ )	Infinite
Voltage protection level ( $U_p$ )	1.8 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5kA ( $U_p$ )	1.0 kV
Response time ( $t_A$ )	$\leq 100$ ns
Special backup protection device for surge	ESCB-120TB/4P
Short-circuit withstand capability ( $I_{SCCR}$ )	25 kArms
Temporary overvoltage (TOV) ( $U_T$ )	480 V/120 min(L-N), 1200 V/200 ms(N-PE)
TOV characteristic	Withstand(L-N), Withstand(N-PE)

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 73 mm x 68.5 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range ( $T_u$ )	-40 °C...+85 °C
Relative humidity	$\leq 95$ % (max 40 °C)
Operation altitude	$\leq 4$ km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911654



## Class II surge protector YSPD-120B-600-R/1P



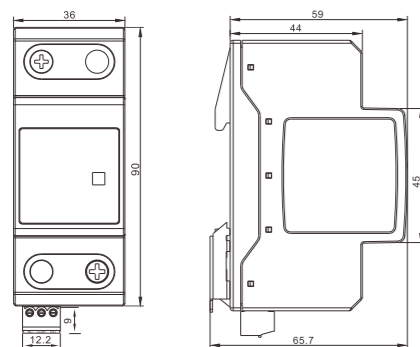
### Description

Composite type II/2 level surge protector with high voltage and large current discharge capacity is suitable for a variety of power distribution systems. It is usually installed in lightning protection zones LPZ 0B-3 and subsequent zones, and is mostly used for the protection of wind power converters and generators.

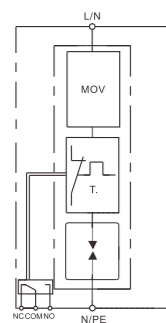
### Features

- High voltage and high current capability
- No follow-through and no leakage current
- Reliable thermal disconnect
- Fault indication remote signal alarm

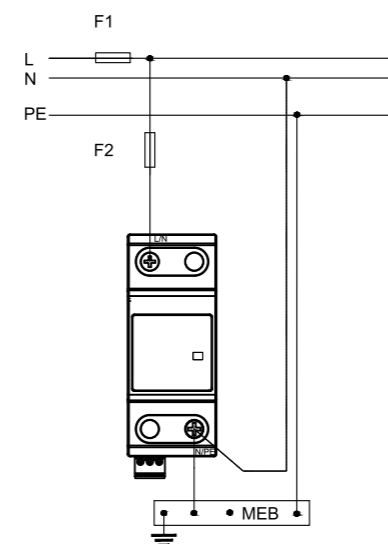
### Dimension drawing



### Circuit diagram



### Wiring diagram



### Electrical

Product model	YSPD-120B-600-R/1P
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	II级
Number of ports	1
Technology	MOV
Nominal Voltage (U <sub>N</sub> )	600 Vac
Max. continuous operating voltage (U <sub>c</sub> )	600 Vac
Nominal discharge current (8/20μs) (I <sub>n</sub> )	60 kA
Max. discharge current (8/20μs) (I <sub>max</sub> )	120 kA
Follow current extinguishing capability (I <sub>fi</sub> )	Infinite
Voltage protection level (U <sub>P</sub> )	2.8 kV
Voltage protection level for 5kA (U <sub>P</sub> )	2.0 kV
Response time (t <sub>A</sub> )	≤ 25 ns
Max. overcurrent protection	≤ 200 AgL/gG
Short-circuit withstand capability (I <sub>SCCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	690 V/5 s
TOV characteristic	Withstand

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 66 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

### Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/1 mA)
Cross-sectional area (max.)	1.5 mm <sup>2</sup>
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

### Environmental

Location category	Indoor only
Operation temperature range (T <sub>u</sub> )	-40 °C...+85 °C
Relative humidity	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911147