



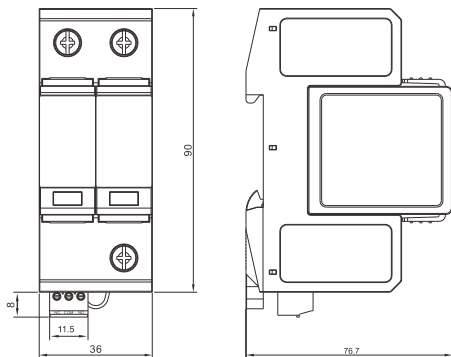
Class I+class II
surge protector
YSPD-12HA-150-R/2P



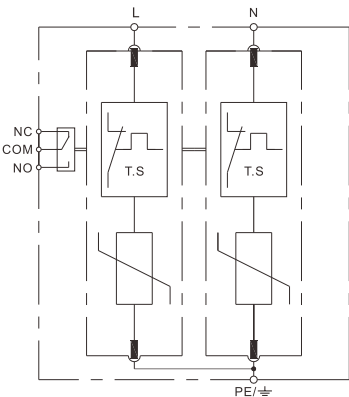
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



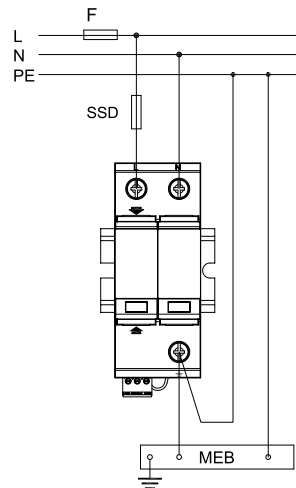
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-150-R/2P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	150 V
Max. continuous operating voltage (U _C)	150 Vac
Nominal discharge current (8/20μs) (I _N)	30 kA
Max. discharge current (8/20μs) (I _{max})	60 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level for 30kA (U _P)	1.0 kV
Voltage protection level for 5kA (U _P)	0.7 kV
Response time (t _A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/2P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	240 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911474



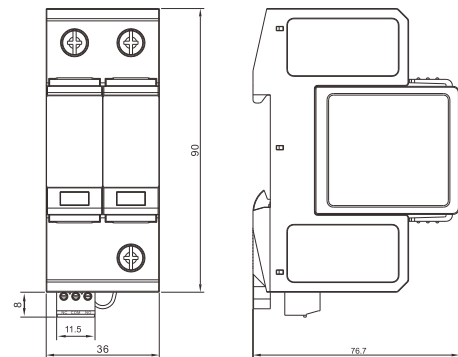
Class I+class II
surge protector
YSPD-12HA-275-R/2P



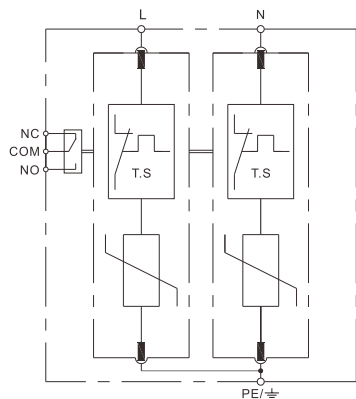
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



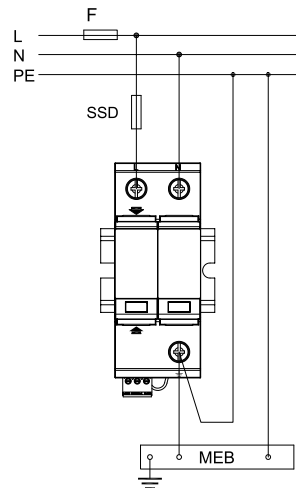
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-275-R/2P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	230/400 V
Max. continuous operating voltage (U _C)	275 Vac
Nominal discharge current (8/20μs) (I _N)	30 kA
Max. discharge current (8/20μs) (I _{max})	60 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level for 30kA (U _P)	1.4 kV
Voltage protection level for 5kA (U _P)	1.0 kV
Response time (t _A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/2P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911273



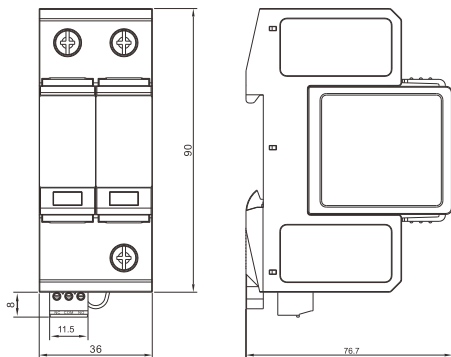
**Class I+class II
surge protector
YSPD-12HA-320-R/2P**



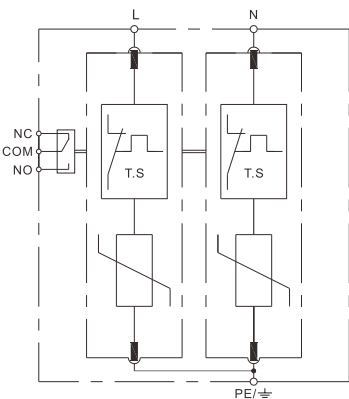
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



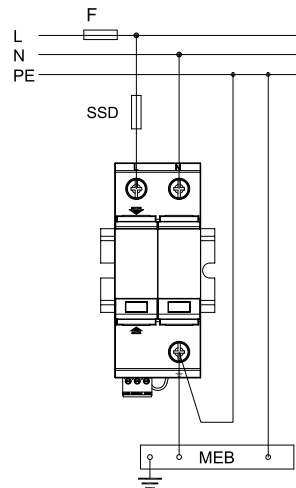
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-320-R/2P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U_N)	230/400 V
Max. continuous operating voltage (U_C)	320 Vac
Nominal discharge current (8/20 μ s) (I_N)	30 kA
Max. discharge current (8/20 μ s) (I_{max})	60 kA
Lightning impulse current (10/350 μ s) (I_{imp})	12.5 kA
Voltage protection level for 30kA (U_P)	1.5 kV
Voltage protection level for 5kA (U_P)	1.2 kV
Response time (t_A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/2P
Short-circuit withstand capability (I_{scCR})	25 kArms
Temporary overvoltage (TOV) (U_T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911274



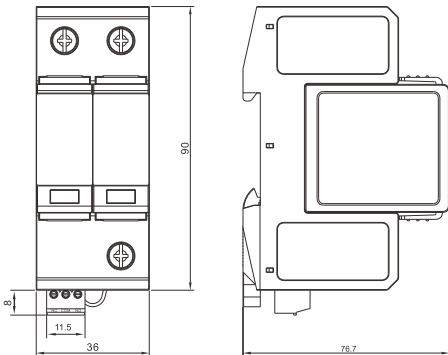
Class I+class II
surge protector
YSPD-12HA-385-R/2P



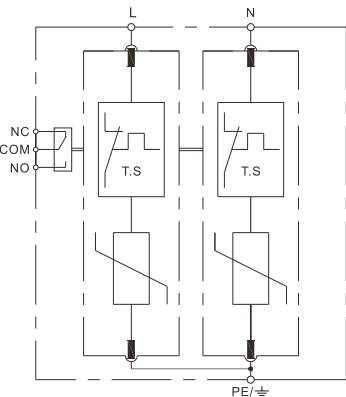
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



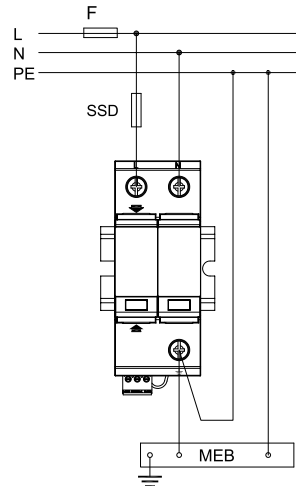
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-385-R/2P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	240/415 V
Max. continuous operating voltage (U _C)	385 Vac
Nominal discharge current (8/20μs) (I _N)	30 kA
Max. discharge current (8/20μs) (I _{max})	60 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level for 30kA (U _P)	1.75 kV
Voltage protection level for 20kA (U _P)	1.6 kV
Voltage protection level for 12.5kA (U _P)	1.4 kV
Voltage protection level for 5kA (U _P)	1.3 kV
Response time (t _A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/2P
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 %(No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911275



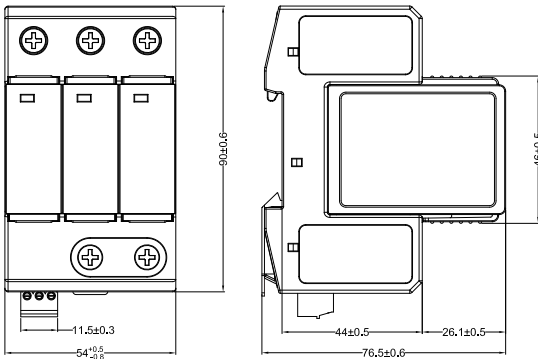
Class I+class II
surge protector
YSPD-12HA-275-R/3P



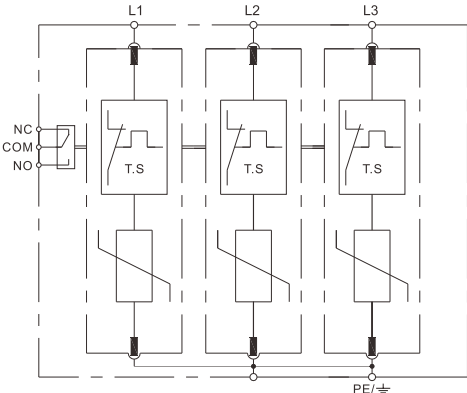
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



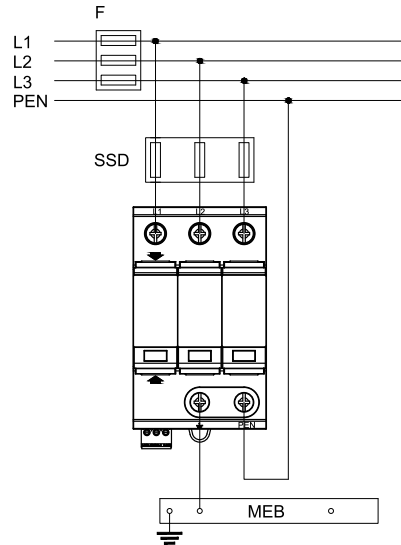
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-275-R/3P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	230/400 V
Max. continuous operating voltage (U _C)	275 Vac
Nominal discharge current (8/20μs) (I _N)	30 kA
Max. discharge current (8/20μs) (I _{max})	60 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level for 30kA (U _P)	1.4 kV
Voltage protection level for 5kA (U _P)	1.0 kV
Response time (t _A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/3P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 54 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911373



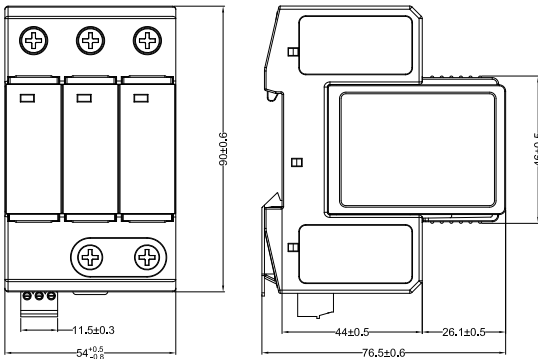
Class I+class II
surge protector
YSPD-12HA-320-R/3P



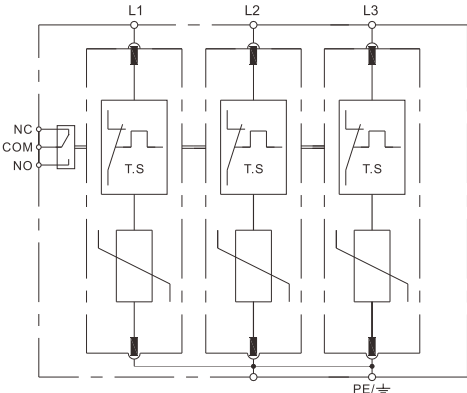
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



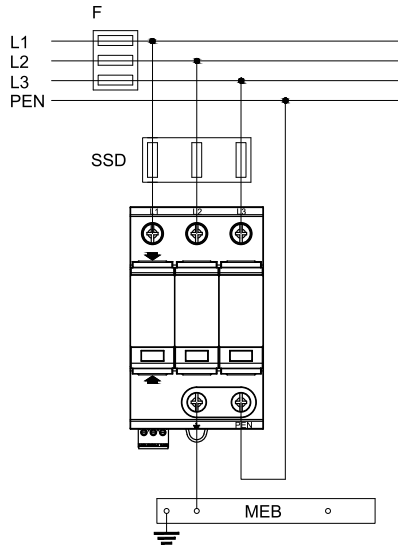
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-320-R/3P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	230/400 V
Max. continuous operating voltage (U _C)	320 Vac
Nominal discharge current (8/20μs) (I _N)	30 kA
Max. discharge current (8/20μs) (I _{max})	60 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level for 30kA (U _P)	1.5 kV
Voltage protection level for 5kA (U _P)	1.2 kV
Response time (t _A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/3P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 54 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911374



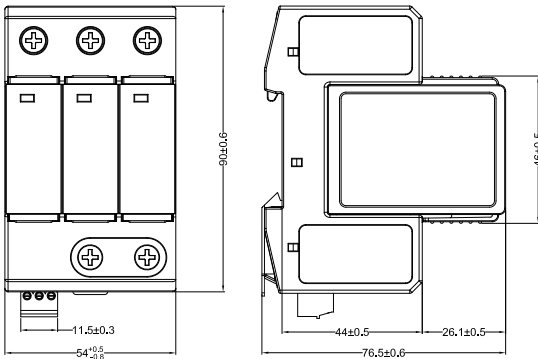
Class I+class II
surge protector
YSPD-12HA-385-R/3P



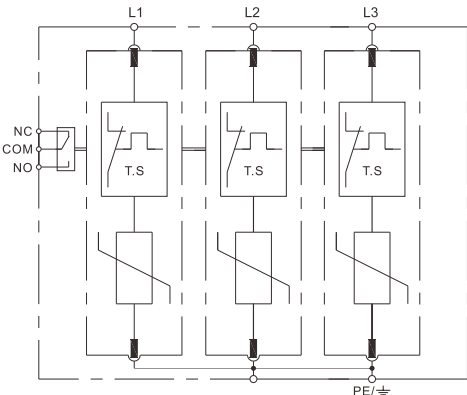
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



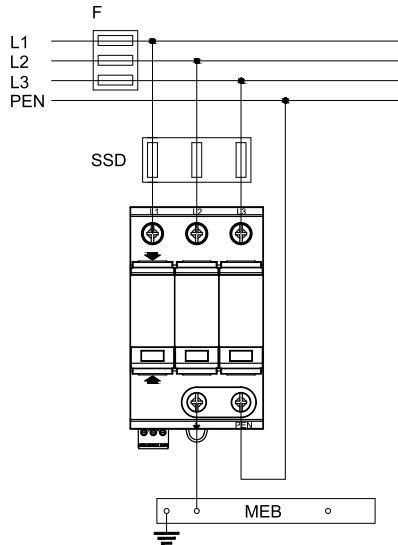
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-385-R/3P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	240/415 V
Max. continuous operating voltage (U _C)	385 Vac
Nominal discharge current (8/20μs) (I _N)	30 kA
Max. discharge current (8/20μs) (I _{max})	60 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level for 30kA (U _P)	1.75 kV
Voltage protection level for 20kA (U _P)	1.6 kV
Voltage protection level for 12.5kA (U _P)	1.4 kV
Voltage protection level for 5kA (U _P)	1.3 kV
Response time (t _A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/3P
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 54 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911375



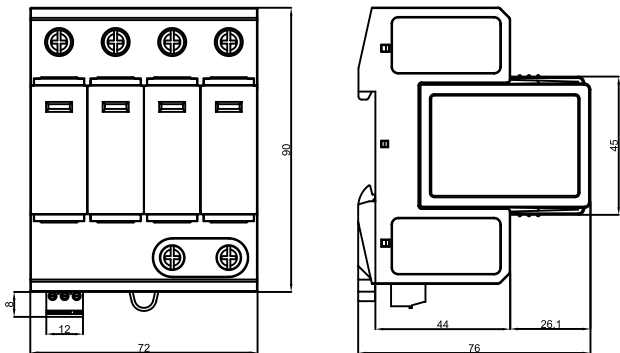
Class I+class II
surge protector
YSPD-12HA-275-R/4P



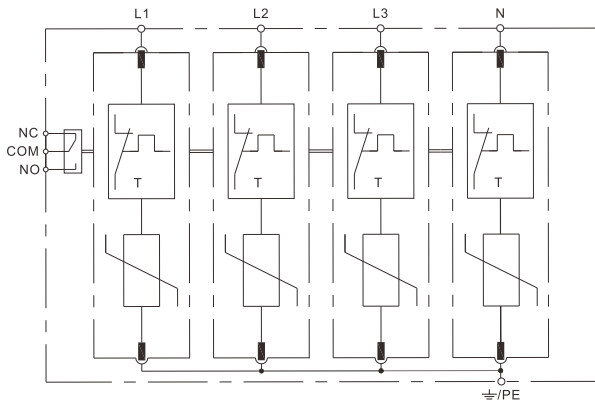
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



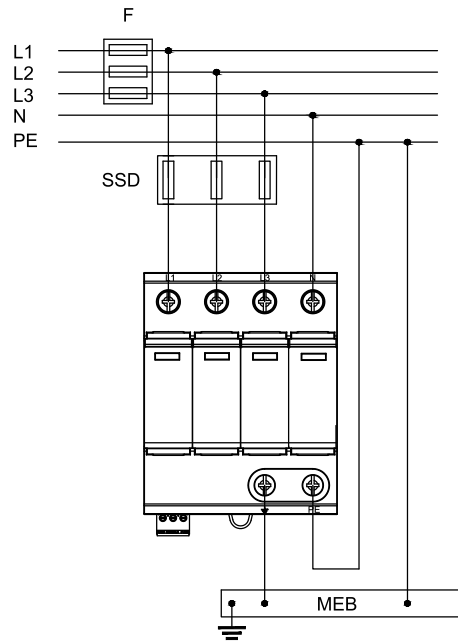
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-275-R/4P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U_N)	230/400 V
Max. continuous operating voltage (U_C)	275 Vac
Nominal discharge current (8/20 μ s) (I_N)	30 kA
Max. discharge current (8/20 μ s) (I_{max})	60 kA
Lightning impulse current (10/350 μ s) (I_{imp})	12.5 kA
Voltage protection level for 30kA (U_P)	1.4 kV
Voltage protection level for 5kA (U_P)	1.0 kV
Response time (t_A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/4P
Short-circuit withstand capability (I_{SCCR})	25 kArms
Temporary overvoltage (TOV) (U_T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 72 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911473



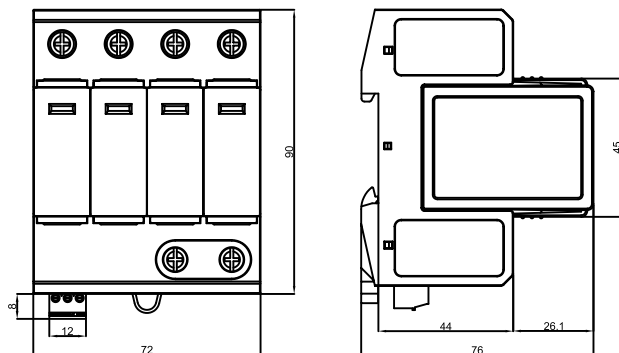
Class I+class II surge protector YSPD-12HA-320-R/4P



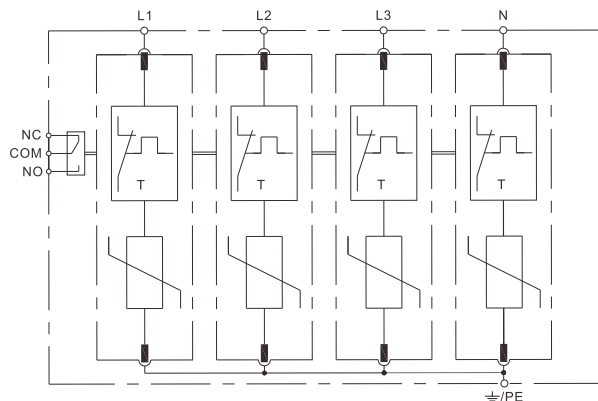
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



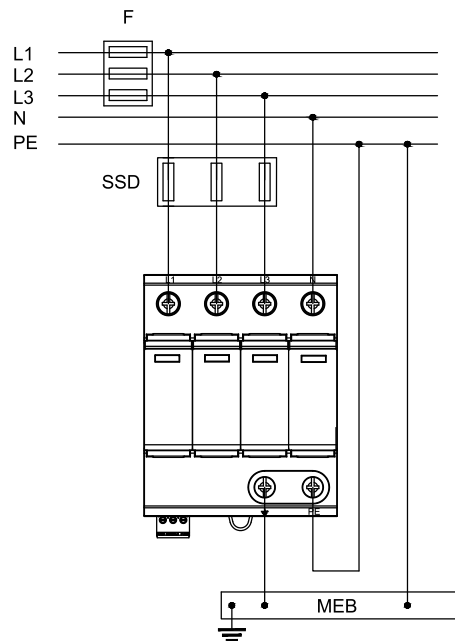
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-320-R/4P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U_N)	230/400 V
Max. continuous operating voltage (U_C)	320 Vac
Nominal discharge current (8/20 μ s) (I_N)	30 kA
Max. discharge current (8/20 μ s) (I_{max})	60 kA
Lightning impulse current (10/350 μ s) (I_{imp})	12.5 kA
Voltage protection level for 30kA (U_P)	1.5 kV
Voltage protection level for 5kA (U_P)	1.2 kV
Response time (t_A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/4P
Short-circuit withstand capability (I_{scCR})	25 kArms
Temporary overvoltage (TOV) (U_T)	442 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 72 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911474



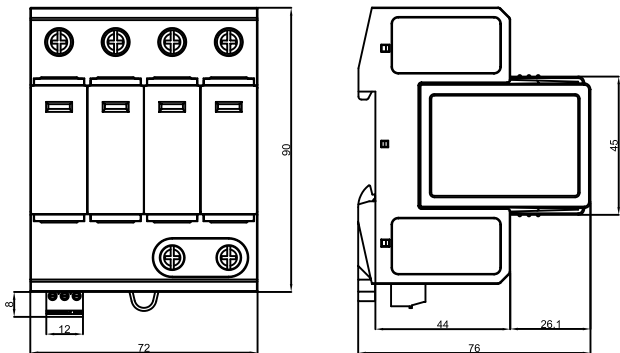
**Class I+class II
surge protector
YSPD-12HA-385-R/4P**



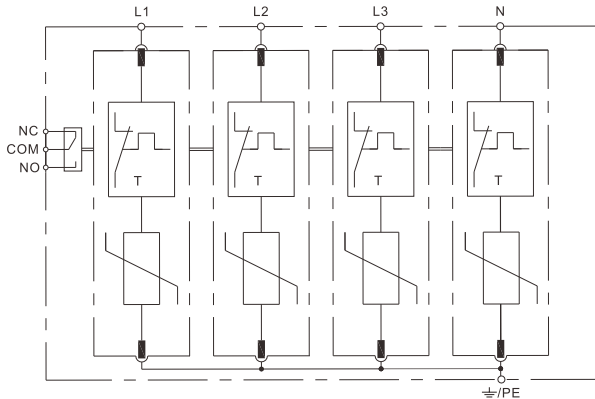
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



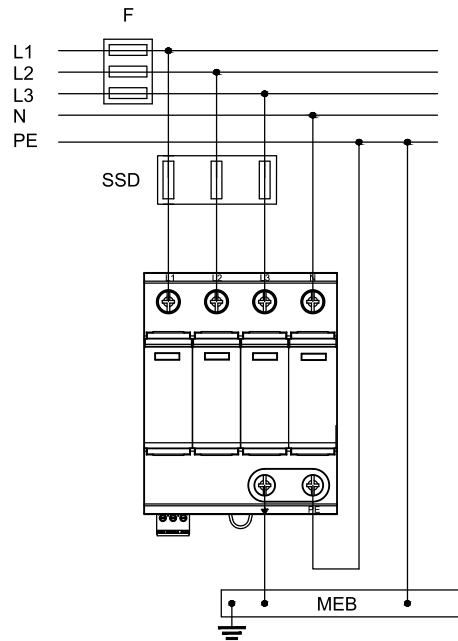
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-385-R/4P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	240 / 415 V
Max. continuous operating voltage (U _c)	385 Vac
Nominal discharge current (8/20μs) (I _n)	12.5 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level (U _P)	1.8 kV
Voltage protection level for 5kA (U _P)@5kA	1.2 kV
Response time (t _a)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/4P
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	442 V / 120 mins
TOV characteristic	Withstand (L-N),Withstand (N-PE)

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 72 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 %(No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911475



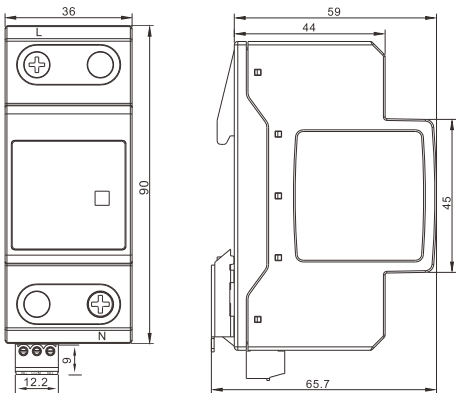
Class I+class II
surge protector
YSPD-15HA-440-R/1P



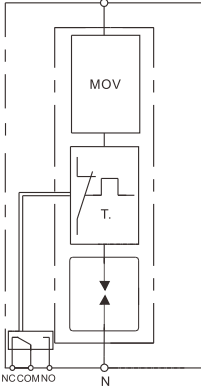
Description

DIN rail, Type 1+2 / Class I+II multi-purpose single-pole SPD with MOV and Spark GAP technology for use in ac power supply system at boundaries from LPZ 0B-1 and higher

Dimension drawing



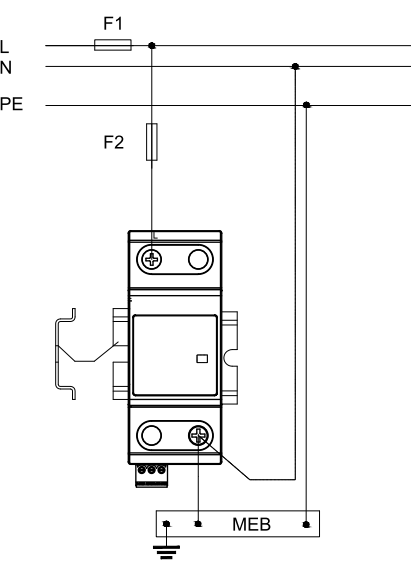
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-440-R/1P
SPD according to IEC 61643-11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB 18802.11	Class I+Class II
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U _N)	240/415 Vac
Max. continuous operating voltage (U _C)	440 Vac
Nominal discharge current (8/20μs) (I _n)	15 kA
Lightning impulse current (10/350μs) (I _{imp})	15 kA
Specific energy (W/R)	56.25 kJ/ohms
Charge (Q)	7.5 As
Follow current extinguishing capability (I _{fi})	Infinie
Voltage protection level (U _P)	2.4 kV
Voltage protection level for 5 kA (U _P)	2.0 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 160 AgL / gG
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	500 V / 5 s
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm × 36 mm × 66 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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	≤ 95 % (max 40°C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911103



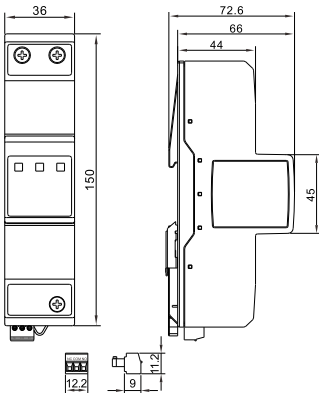
Class I+class II
surge protector
YSPD-15HA-600-R/1P



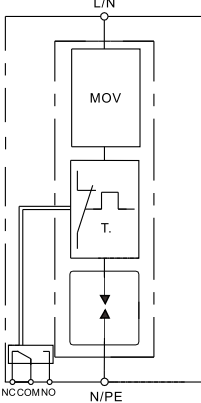
Description

DIN rail, Type 1+2 / Class I+II multi-purpose single-pole SPD with MOV and Spark GAP technology for use in ac power supply system at boundaries from LPZ 0B-1 and higher

Dimension drawing



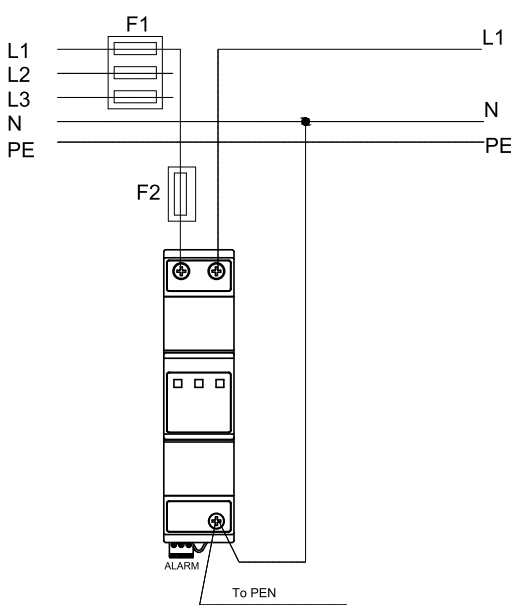
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-600-R/1P
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB/T 18802.11	Type 1+Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U _N)	600 Vac
Max. continuous operating voltage (U _C)	600 Vac
Nominal discharge current (8/20μs) (I _N)	15 kA
Lightning impulse current (10/350μs) (I _{imp})	15 kA
Specific energy (W/R)	56.25 kJ/ohms
Charge (Q)	7.5 As
Follow current extinguishing capability (I _{fi})	Infinie
Voltage protection level (U _P)	3.0 kV
Voltage protection level for 5 kA (U _P)	2.4 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 160 AgL / gG
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	762 V / 5s
TOV characteristic	Withstand

Mechanical

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

Indication

Operating status/fault indication	Black / 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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911104



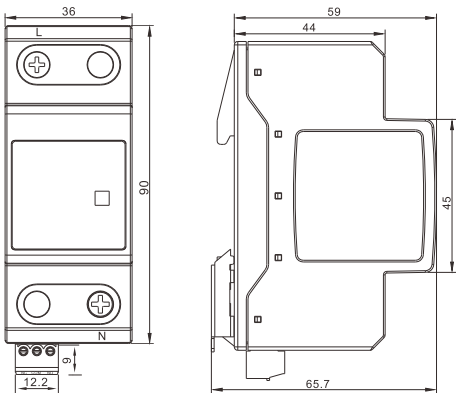
Class I+class II
surge protector
YSPD-15HA-760-R/1P



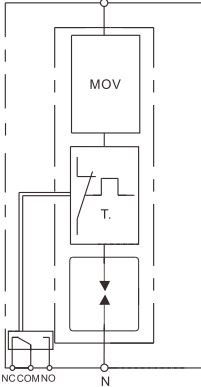
Description

DIN rail, Type 1+2 / Class I+II multi-purpose single-pole SPD with MOV and Spark GAP technology for use in ac power supply system at boundaries from LPZ 0B-1 and higher

Dimension drawing



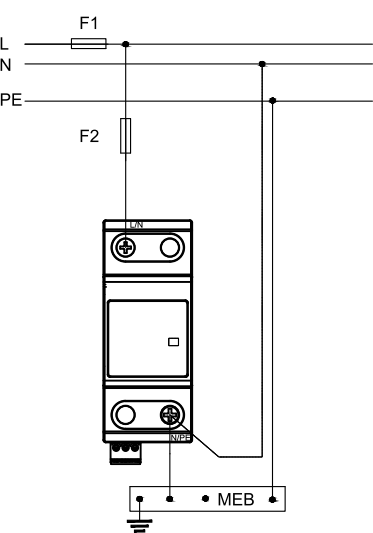
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical	
Product model	YSPD-15HA-760-R/1P
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB/T 18802.11	Type 1+Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U _N)	400/690Vac
Max. continuous operating voltage (U _c)	760Vac
Nominal discharge current (8/20μs) (I _n)	15 kA
Lightning impulse current (10/350μs) (I _{imp})	15 kA
Specific energy (W/R)	56.25 kJ/ohms
Charge (Q)	7.5 As
Follow current extinguishing capability (I _{fi})	Infinie
Voltage protection level (U _p)	3.5 kV
Voltage protection level for 5 kA (U _p)	2.5 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 160 AgL / gG
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	1000 V / 5s
TOV characteristic	Withstand
Mechanical	
Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm × 36 mm × 66 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)
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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911105



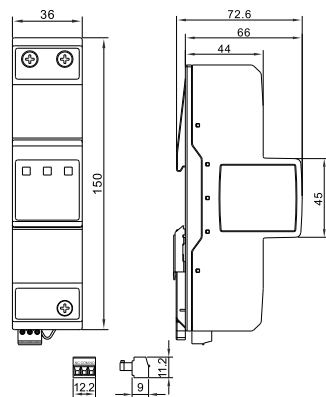
Class I+class II surge protector YSPD-15HA-1000-R/1P



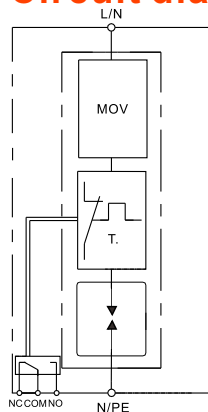
Description

Integrated I+II/1+2 level surge protector, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones, is widely used in the protection of transformers, generators, photovoltaic and wind power generation systems.

Dimension drawing



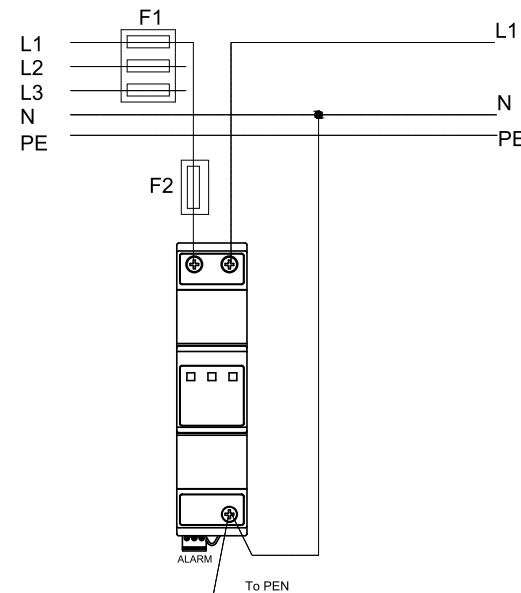
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-1000-R/1P
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB/T 18802.11	Type 1+Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV & GAP
Nominal Voltage (U _N)	1000 Vac
Max. continuous operating voltage (U _C)	1000 Vac
Nominal discharge current (8/20μs) (I _n)	15 kA
Lightning impulse current (10/350μs) (I _{imp})	15 kA
Specific energy (W/R)	56.25 kJ/ohms
Charge (Q)	7.5 As
Follow current extinguishing capability (I _{fi})	Infinite
Voltage protection level (U _P)	4.5 kV
Voltage protection level for 5 kA (U _P)	4.0 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 250 AgL / gG
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	1600 V / 5 s, 1400 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	150 mm × 36 mm × 72 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

Indication

Operating status/fault indication	Black / 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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911106



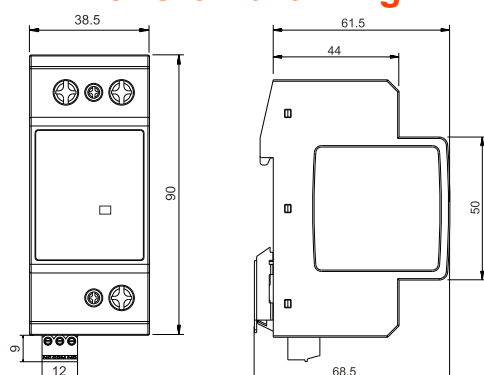
Class I+class II surge protector YSPD-15HA-60-R/1PN



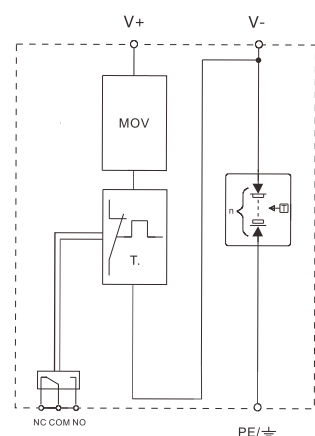
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



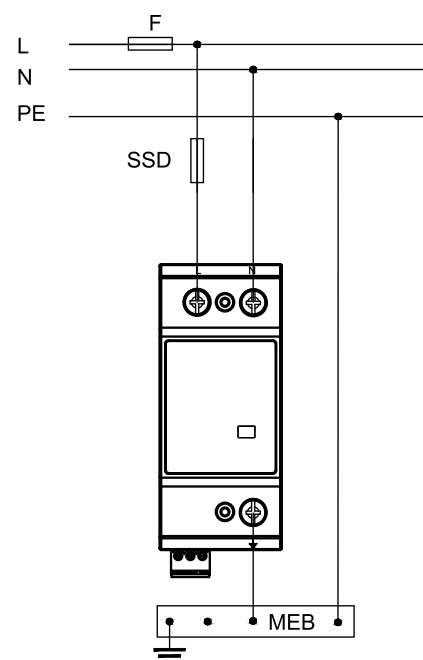
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No follow-through No leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-60-R/1PN
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to EN61643-11	Type 1+Type 2
SPD according to GB/T18802.11	Class I+Class II
Number of ports	1
Technology	GAP & MOV
Max. continuous operating voltage (Uc)	60 V
Nominal discharge current (8/20μs) (In)	15 kA
Lightning impulse current (10/350μs) (Iimp)	15 kA (V+/V-), 50 kA (V-/PE)
Specific energy (W/R)	56.25 kJ / ohms (V+/V-), 625 kJ / ohms (V-/PE)
Charge (Q)	7.5 As (V+/V-), 25 As (V-/PE)
Follow current extinguishing capability (Ifi)	Infinite
Voltage protection level (Up)	1.0 kV(V+/-), 1.5 kV(V-/PE)
Voltage protection level for 5 kA (Up)	0.6 kV
Response time (ta)	≤ 100 ns
Special backup protection device for surge	ESCB-20TA/2P
Short-circuit withstand capability (IscCR)	2000 A (10 kA)

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 mm² stranded / flexible
Cross-sectional area (min.)	1.5 mm² 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 mm²
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

Environmental

Location category	Indoor only
Operation temperature range (Tu)	-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	911567



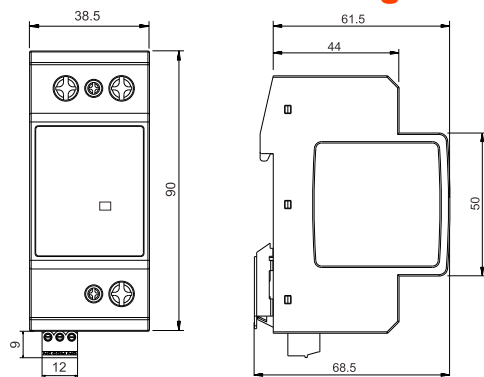
Class I+class II surge protector YSPD-15HA-150-R/1PN



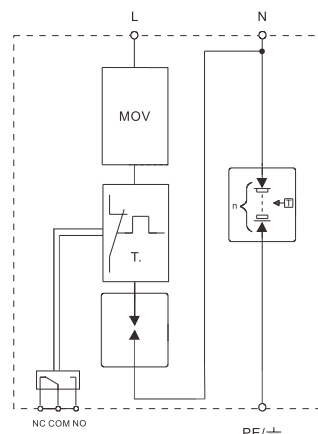
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



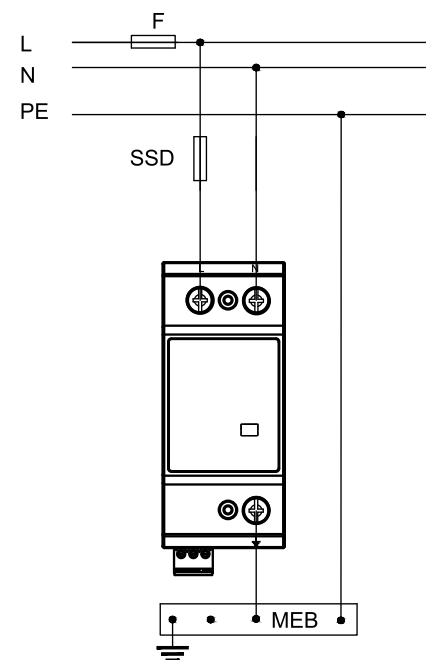
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No follow-through No leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-150-R/1PN
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB/T 18802.11	Type 1+Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U_N)	120 / 240 Vac
Max. continuous operating voltage (U_c)	150 Vac(L-N), 260 Vac(N-PE)
Nominal discharge current (8/20 μ s) (I_n)	15 kA(L-N), 100 kA(N-PE)
Lightning impulse current (10/350 μ s) (I_{imp})	15 kA(L-N), 100 kA(N-PE)
Specific energy (W/R)	156.25 kJ/ohms(L-N), 2500 kJ/ohms(N-PE)
Charge (Q)	12.5 As(L-N), 50 As(N-PE)
Follow current extinguishing capability (I_{fi})	Infinie
Voltage protection level (U_p)	1.2 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5 kA (U_p)	0.8 kV
Response time (t_A)	≤ 100 ns
Special backup protection device for surge	ESCB-20TA/2P
Short-circuit withstand capability (I_{scCR})	25 kArms
Temporary overvoltage (TOV) (U_T)	240 V/120 mins(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 ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911569



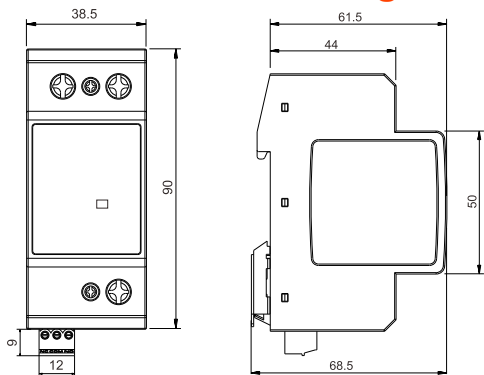
Class I+class II
surge protector
YSPD-15HA-320-R/1PN



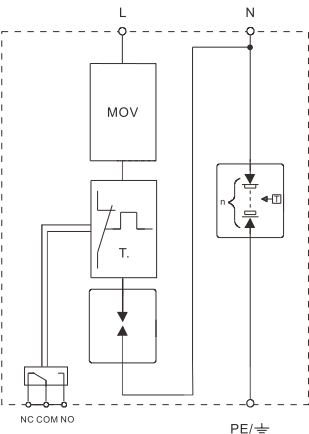
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



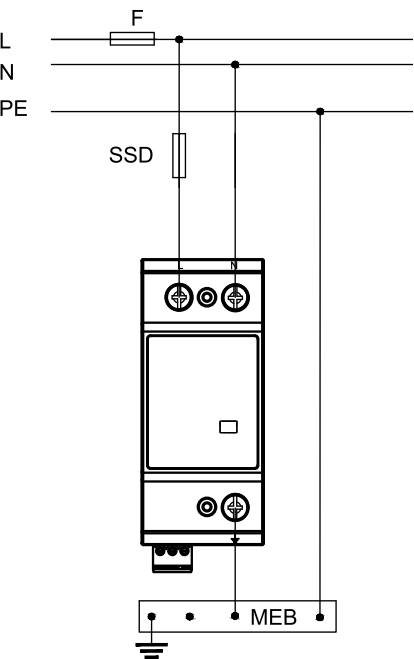
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No follow-through No leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-320-R/1PN
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to EN61643-11	Type 1+Type 2
SPD according to GB/T18802.11	Class I+Class II
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U _N)	240/415 Vac
Max. continuous operating voltage (U _c)	320 Vac(L-N),260 Vac(N-PE)
Nominal discharge current (8/20μs) (I _n)	15 kA(L-N),60 kA(N-PE)
Lightning impulse current (10/350μs) (I _{imp})	15 kA(L-N),60 kA(N-PE)
Specific energy (W/R)	56.25 kJ/ohms(L-N),900 kJ/ohms(N-PE)
Charge (Q)	7.5 As(L-N),30 As(N-PE)
Follow current extinguishing capability (I _{fi})	Infinie (L-N),100 A(N-PE)
Voltage protection level (U _p)	1.5 kV(L-N),1.5 kV(N-PE)
Voltage protection level for 5 kA (U _p)	1.0 kV
Response time (t _A)	≤ 100 ns
Special backup protection device for surge	ESCB-20TA/2P
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

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 ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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	≤ 95 % (No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911502



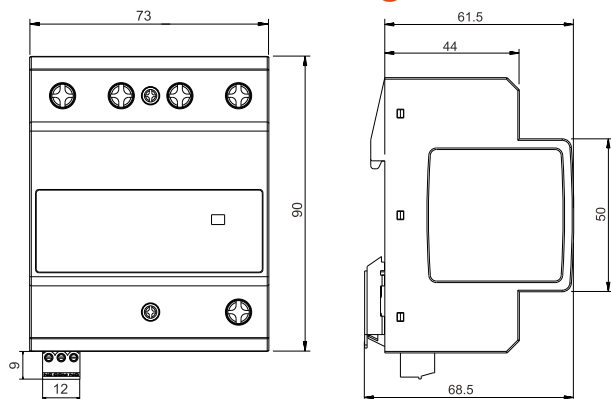
Class I+class II surge protector YSPD-15HA-320-R/3P



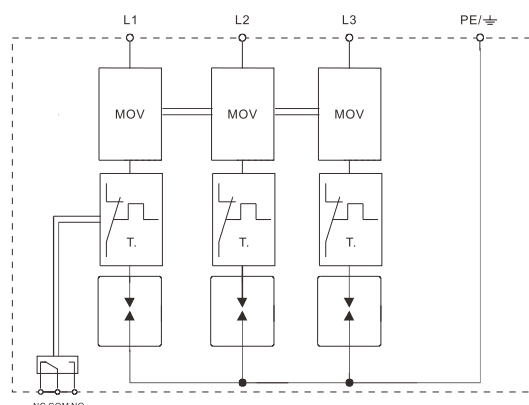
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNC or IT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



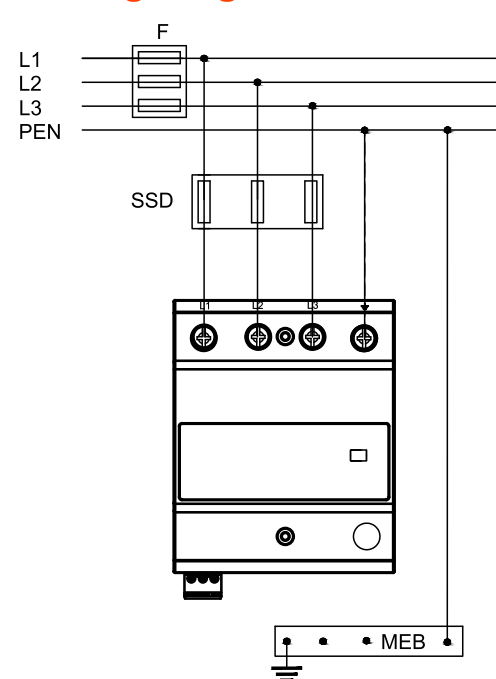
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-320-R/3P
SPD according to IEC 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U _N)	240 / 415 Vac
Max. continuous operating voltage (U _c)	320 Vac
Nominal discharge current (8/20μs) (I _n)	15 kA(L-PE), 45 kA(Total)
Lightning impulse current (10/350μs) (I _{imp})	15 kA(L-PE), 45 kA(Total)
Specific energy (W/R)	56.25 kJ/ohms(L-PE)
Charge (Q)	7.5 As(L-PE), 22.5 As(Total)
Follow current extinguishing capability (I _{fi})	Infinite
Voltage protection level (U _p)	1.5 kV
Voltage protection level for 5 kA (U _p)	1.0 kV
Response time (t _A)	≤ 100 ns
Special backup protection device for surge	ESCB-20TA/3P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	480 V/120 min(L-PE)
TOV characteristic	Withstand(L-PE)

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm × 73 mm × 68.5 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911302



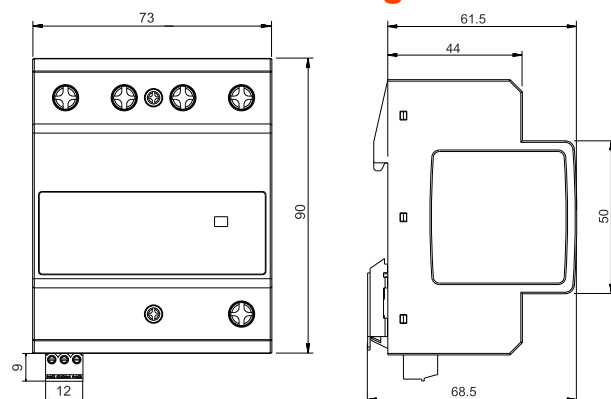
Class I+class II surge protector YSPD-15HA-320-R/3PN



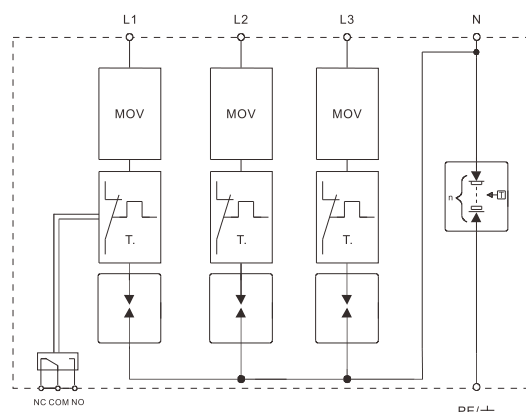
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



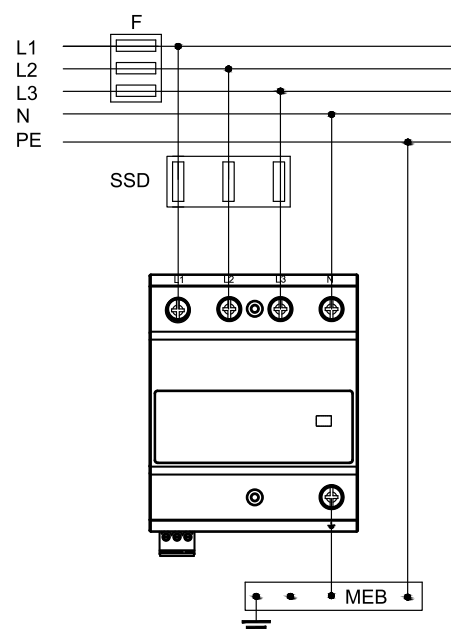
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-15HA-320-R/3PN
SPD according to IEC 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U _N)	240 / 415 Vac
Max. continuous operating voltage (U _c)	320 Vac (L-N), 260 Vac (N-PE)
Nominal discharge current (8/20μs) (I _n)	15 kA (L-N), 60 kA (N-PE)
Lightning impulse current (10/350μs) (I _{imp})	15 kA (L-N), 60 kA (N-PE)
Specific energy (W/R)	56.25kJ/ohms(L-N),900kJ/ohms(N-PE)
Charge (Q)	7.5 As (L-N), 30 As (N-PE)
Follow current extinguishing capability (I _{fi})	Infinite
Voltage protection level (U _p)	1.5 kV(L-N),1.5 kV(N-PE)
Voltage protection level for 5 kA (U _p)	1.0 kV
Response time (t _A)	≤ 100 ns
Special backup protection device for surge	ESCB-20TA/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 × 73 mm × 68.5 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911602



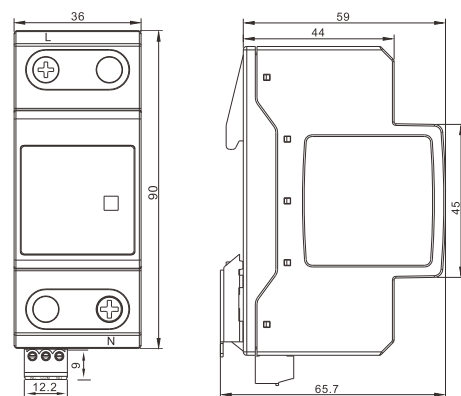
Class I+class II surge protector YSPD-25HA-320-R/1P



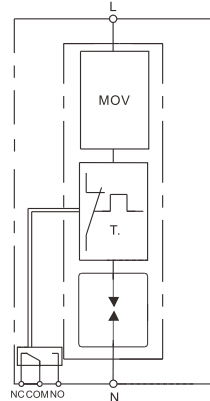
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



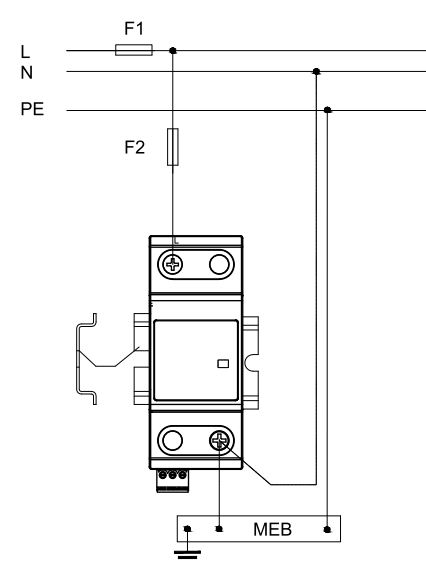
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-320-R/1P
SPD according to IEC/EN 61643-1/11	Class I+Class II
SPD according to GB/T 18802.11	Type 1+Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U_N)	240/415 Vac
Max. continuous operating voltage (U_C)	320 Vac
Nominal discharge current (8/20 μ s) (I_n)	25 kA
Lightning impulse current (10/350 μ s) (I_{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Charge (Q)	12.5 As
Follow current extinguishing capability (I_{fi})	Infinite
Voltage protection level (U_P)	1.5 kV
Voltage protection level for 5 kA (U_P)	1.0 kV
Response time (t_A)	≤ 100 ns
Special backup protection device for surge	ESCB-25TA/1P
Short-circuit withstand capability (I_{scCR})	25 kArms
Temporary overvoltage (TOV) (U_T)	480 V/120 min
TOV characteristic	Withstand

Mechanical

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

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 ²
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	≤ 95 %(No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911109



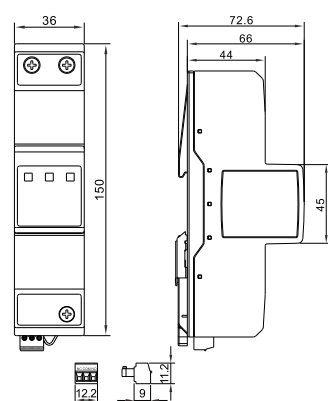
Class I+class II surge protector YSPD-25HA-440-R/1P



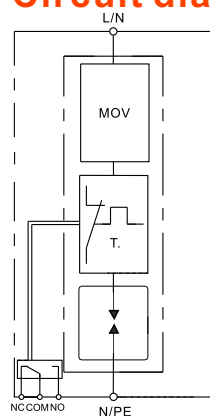
Description

Integrated I+II/1+2 level surge protector, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones, is widely used in the protection of transformers, generators, photovoltaic and wind power generation systems.

Dimension drawing



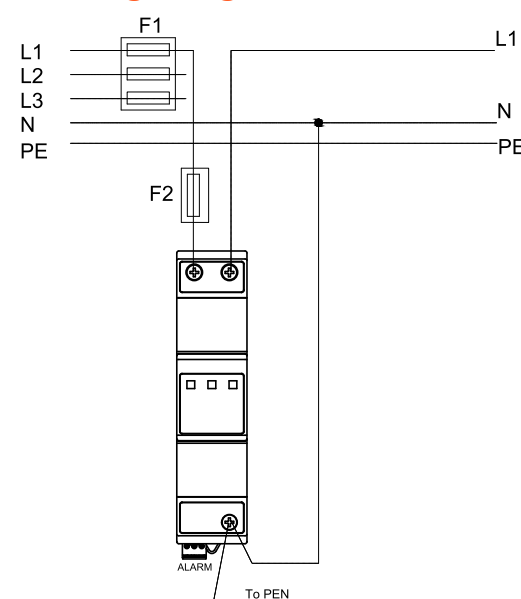
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-440-R/1P
SPD according to IEC/EN 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	MOV & GAP
Nominal Voltage (U _N)	440 Vac
Max. continuous operating voltage (U _C)	440 Vac
Nominal discharge current (8/20μs) (I _n)	25 kA
Lightning impulse current (10/350μs) (I _{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Charge (Q)	12.5 As
Follow current extinguishing capability (I _{fi})	Infinite
Voltage protection level (U _P)	2.4 kV
Voltage protection level for 5 kA (U _P)	2.0 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 250 AgL/gG
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	690 V/5s
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	150 mm × 36 mm × 72 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

Indication

Operating status/fault indication	Black / 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 ²
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	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911111



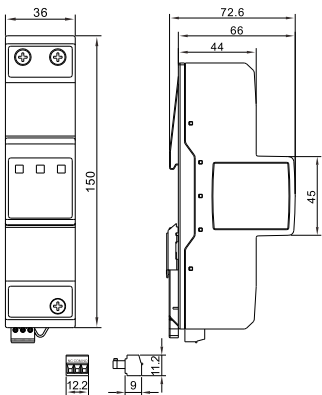
**Class I+class II
surge protector
YSPD-25HA-600-R/1P**



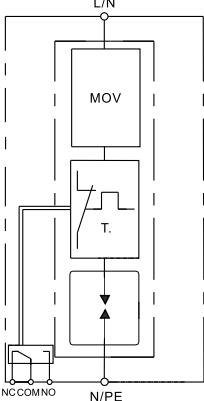
Description

Integrated I+II/1+2 level surge protector, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones, is widely used in the protection of transformers, generators, photovoltaic and wind power generation systems.

Dimension drawing



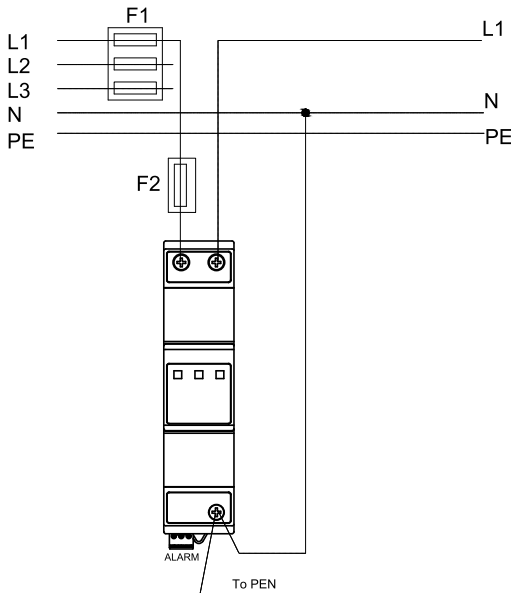
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-600-R/1P
SPD according to IEC/EN 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	MOV & GAP
Nominal Voltage (U _N)	600 Vac
Max. continuous operating voltage (U _C)	600 Vac
Nominal discharge current (8/20μs) (I _n)	25 kA
Lightning impulse current (10/350μs) (I _{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Charge (Q)	12.5 As
Follow current extinguishing capability (I _{fi})	Infinie
Voltage protection level (U _P)	3.0 kV
Voltage protection level for 5 kA (U _P)	2.4 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 250 AgL/gG
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	690 V / 5 s
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	150 mm × 36 mm × 72 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

Indication

Operating status/fault indication	Black / 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 ²
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	≤ 95 %(max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911112



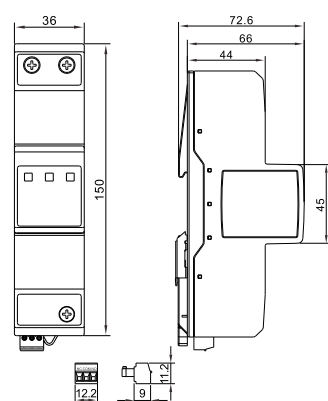
Class I+class II surge protector YSPD-25HA-760-R/1P



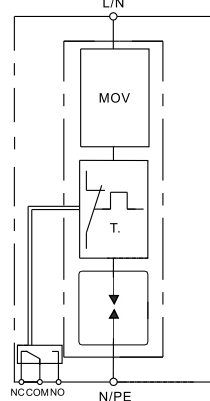
Description

Integrated I+II/1+2 level surge protector, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones, is widely used in the protection of transformers, generators, photovoltaic and wind power generation systems.

Dimension drawing



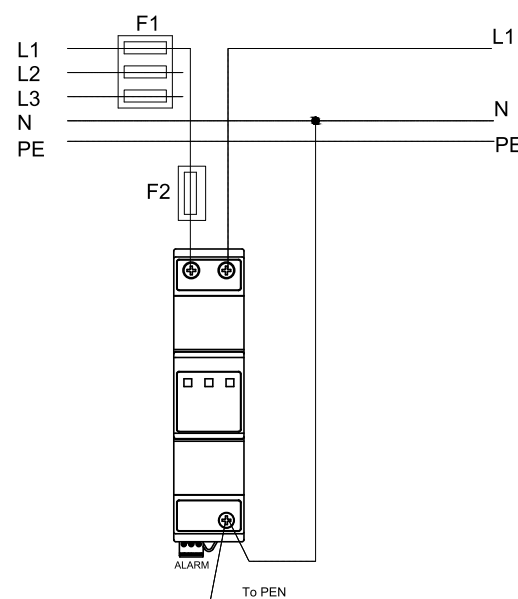
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-760-R/1P
SPD according to IEC/EN 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	MOV & GAP
Nominal Voltage (U _N)	690 Vac
Max. continuous operating voltage (U _C)	760 Vac
Nominal discharge current (8/20μs) (I _n)	25 kA
Lightning impulse current (10/350μs) (I _{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Charge (Q)	12.5 As
Follow current extinguishing capability (I _{fi})	Infinite
Voltage protection level (U _P)	3.5 kV
Voltage protection level for 5 kA (U _P)	2.5 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 250 AgL/gG
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	1000 V/5s
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	150 mm × 36 mm × 72 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m

Indication

Operating status/fault indication	Black / 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 ²
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	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911113



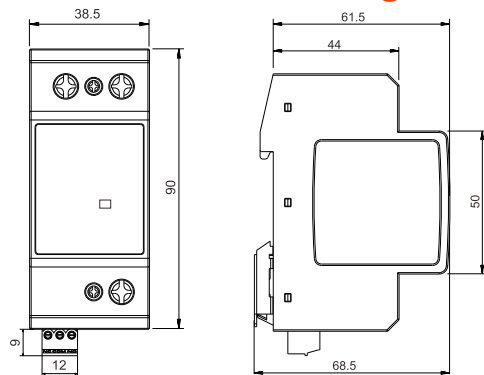
Class I+class II surge protector YSPD-25HA-150-R/1PN



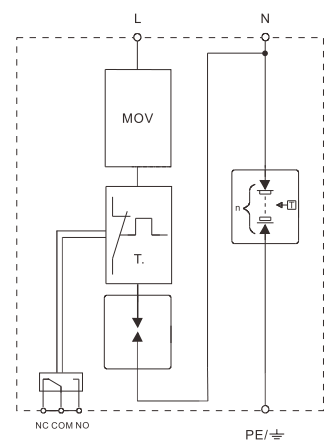
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



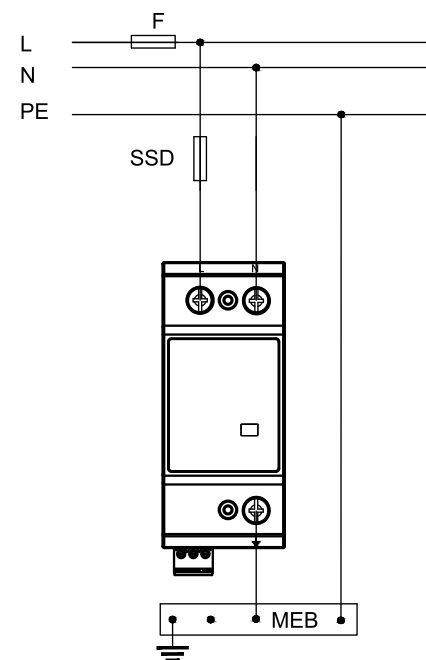
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No follow-through No leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-150-R/1PN
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB/T 18802.11	Type 1+Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U_N)	120 / 240 Vac
Max. continuous operating voltage (U_c)	150 Vac (L-N), 260 Vac (N-PE)
Nominal discharge current (8/20 μ s) (I_n)	25 kA (L-N), 100 kA (N-PE)
Lightning impulse current (10/350 μ s) (I_{imp})	25 kA (L-N), 100 kA (N-PE)
Specific energy (W/R)	156.25 kJ/ohms(L-N), 2500 kJ/ohms(N-PE)
Charge (Q)	12.5 As(L-N), 50 As(N-PE)
Follow current extinguishing capability (I_{fi})	Infinite
Voltage protection level (U_P)	1.2 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5 kA (U_P)	0.8 kV
Response time (t_A)	≤ 100 ns
Special backup protection device for surge	ESCB-25TA/2P
Short-circuit withstand capability (I_{scCR})	25 kArms
Temporary overvoltage (TOV) (U_T)	240 V / 120 mins(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 ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

Indication

Operating status/fault indication	Green / Red
Type of Changeover contact	Changeover contact
Switching capacity	Max(125 Vac/1 A), Min(5 V/0.5 mA)
Cross-sectional area (max.)	1.5 mm ²
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	≤ 95 %(No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911570



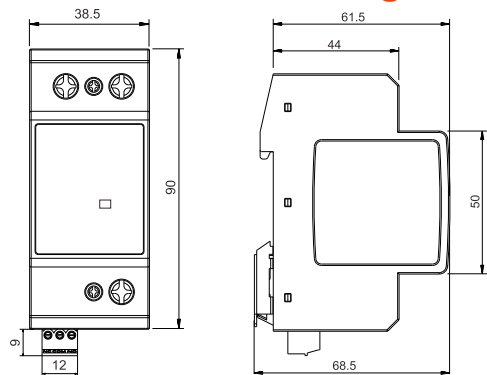
Class I+class II surge protector YSPD-25HA-320-R/1PN



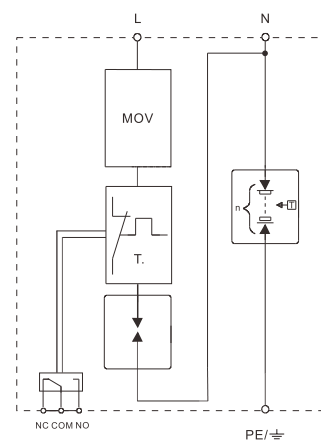
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



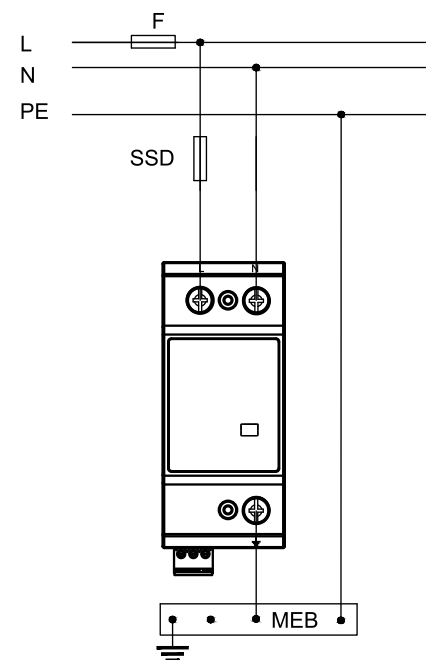
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No follow-through No leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-320-R/1PN
SPD according to IEC 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U_N)	240/415 Vac
Max. continuous operating voltage (U_C)	320 Vac(L-N), 260 Vac(N-PE)
Nominal discharge current (8/20 μ s) (I_n)	25 kA(L-N), 100 kA(N-PE)
Lightning impulse current (10/350 μ s) (I_{imp})	25 kA(L-N), 100 kA(N-PE)
Specific energy (W/R)	156.25 kJ/ohms(L-N), 2500 kJ/ohms(N-PE)
Charge (Q)	12.5 As(L-N), 50 As(N-PE)
Follow current extinguishing capability (I_{fi})	Infinite
Voltage protection level (U_P)	1.5 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5 kA (U_P)	1.0 kV
Response time (t_A)	≤ 100 ns
Special backup protection device for surge	ESCB-25TA/2P
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 38.5 mm x 68.5 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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	≤ 95 %(max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911509



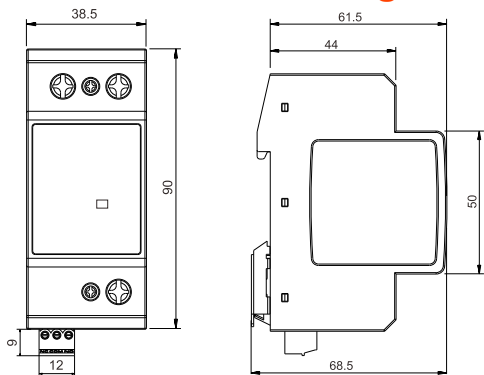
**Class I+class II
surge protector
YSPD-25HA-385-R/1PN**



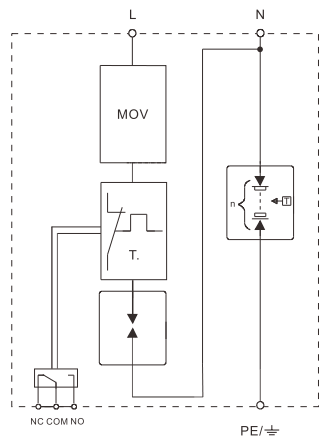
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



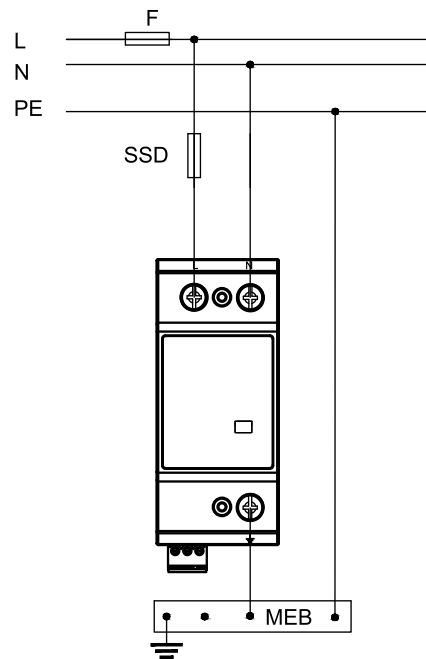
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No follow-through No leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-385-R/1PN
SPD according to IEC 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+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 (8/20μs) (I _n)	25 kA(L-N),100 kA(N-PE)
Lightning impulse current (10/350μs) (I _{imp})	25 kA(L-N),100 kA(N-PE)
Specific energy (W/R)	156.25 kJ/ohms(L-N),2500 kJ/ohms(N-PE)
Charge (Q)	12.5 As(L-N), 50 As(N-PE)
Follow current extinguishing capability (I _{fi})	Infinie
Voltage protection level (U _p)	1.8 kV(L-N),1.5 kV(N-PE)
Voltage protection level for 5 kA (U _p)	1.0 kV
Response time (t _A)	≤ 100 ns
Special backup protection device for surge	ESCB-25TA/2P
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 38.5 mm x 68.5 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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	≤ 95 %(max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911510



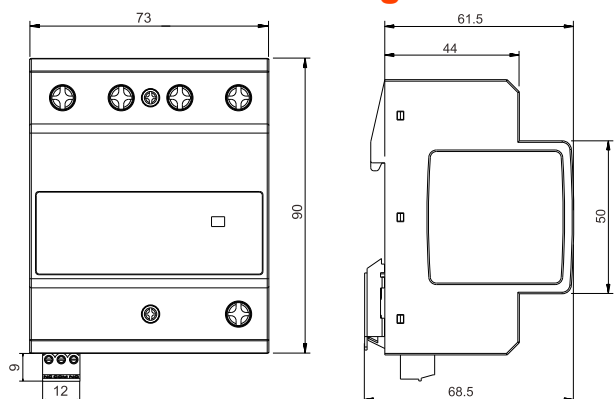
Class I+class II surge protector YSPD-25HA-320-R/3P



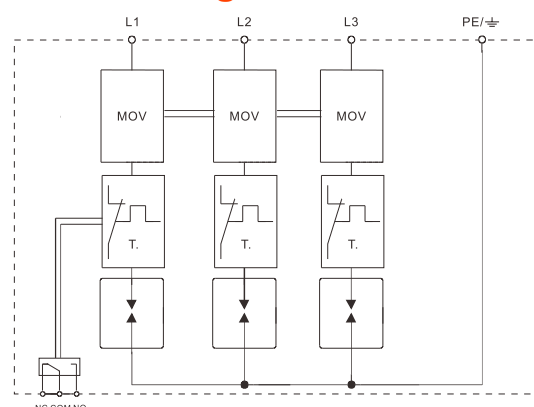
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNC or IT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



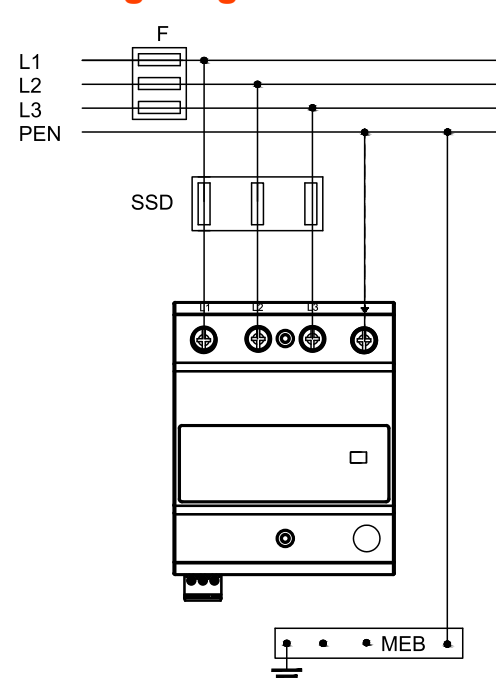
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-320-R/3P
SPD according to IEC 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U _N)	240 / 415 Vac
Max. continuous operating voltage (U _c)	320 Vac
Nominal discharge current (8/20μs) (I _n)	25 kA(L-PE), 75 kA(Total)
Lightning impulse current (10/350μs) (I _{imp})	25 kA(L-PE), 75 kA(Total)
Specific energy (W/R)	156.25 kJ/ohms(L-PE)
Charge (Q)	12.5 As(L-PE), 37.5 As(Total)
Follow current extinguishing capability (I _{fi})	Infinite
Voltage protection level (U _p)	1.5 kV
Voltage protection level for 5 kA (U _p)	1.0 kV
Response time (t _A)	≤ 100 ns
Special backup protection device for surge	ESCB-25TA/3P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	480 V/120 min(L-PE)
TOV characteristic	Withstand(L-PE)

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm × 73 mm × 68.5 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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	≤ 95 % (max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911309



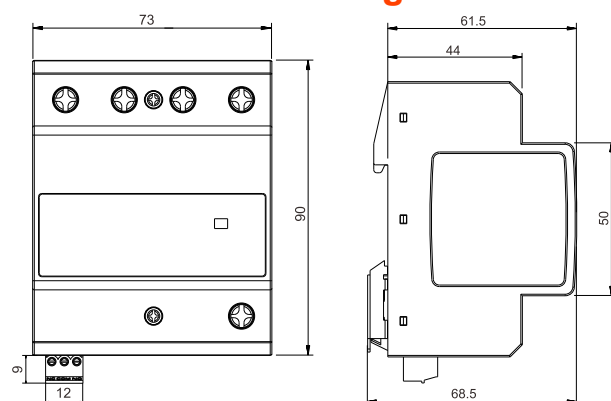
Class I+class II surge protector YSPD-25HA-320-R/3PN



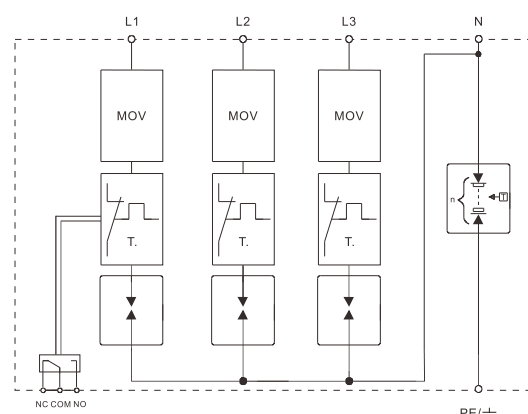
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



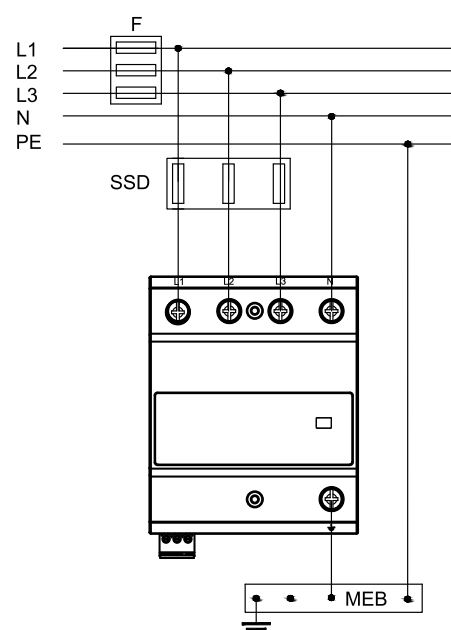
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-320-R/3PN
SPD according to IEC 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	GAP & MOV
Nominal Voltage (U_N)	240 / 415 Vac
Max. continuous operating voltage (U_C)	320 Vac (L-N), 260 Vac (N-PE)
Nominal discharge current (8/20 μ s) (I_n)	25 kA (L-N), 100 kA (N-PE)
Lightning impulse current (10/350 μ s) (I_{imp})	25 kA (L-N), 100 kA (N-PE)
Specific energy (W/R)	156.25 kJ/ohms(L-N), 2500 kJ/ohms(N-PE)
Charge (Q)	12.5 As(L-N), 50 As(N-PE)
Follow current extinguishing capability (I_{fi})	Infinite
Voltage protection level (U_P)	1.5 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5 kA (U_P)	1.0 kV
Response time (t_A)	≤ 100 ns
Special backup protection device for surge	ESCB-25TA/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 $\times$ 73 mm $\times$ 68.5 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² 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 ²
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 $^{\circ}$ C...+85 $^{\circ}$ C
Relative humidity	≤ 95 % (max 40 $^{\circ}$ C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	911609



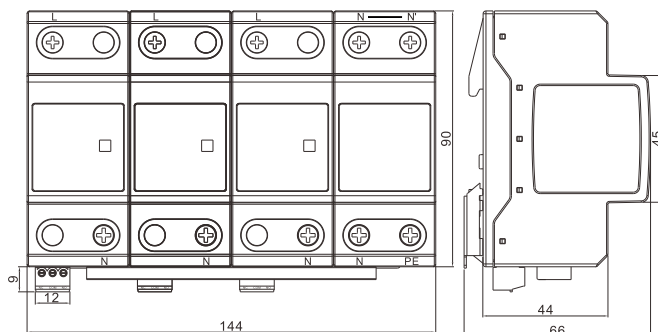
Class I+class II surge protector YSPD-50HA-320Q-R/3PN



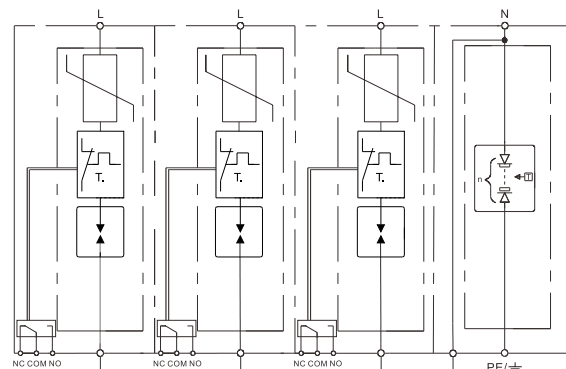
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



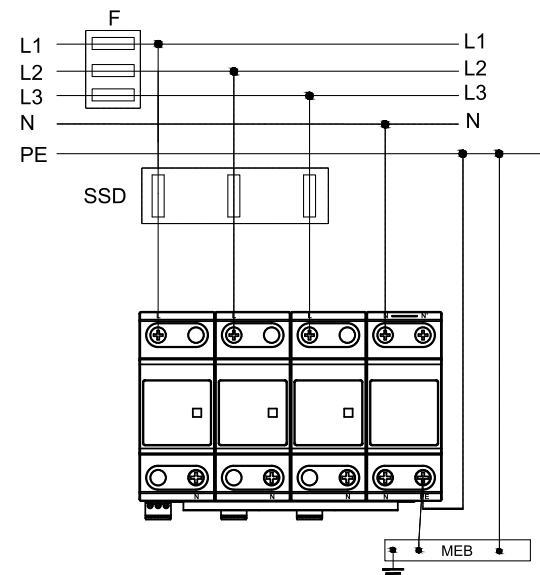
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-50HA-320Q-R/3PN
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB 18802.11	Type 1+Type 2
Number of ports	1
Technology	MOV&GAP
Nominal Voltage (U _N)	240 / 415 Vac
Max. continuous operating voltage (U _C)	320 Vac
Nominal discharge current (8/20μs) (I _n)	50 kA (L-N), 100 kA (N-PE)
Lightning impulse current (10/350μs) (I _{imp})	50 kA (L-N), 100 kA (N-PE)
Follow current extinguishing capability (I _{fi})	Infinite (L-N)/100 A(N-PE)
Voltage protection level (U _P)	1.8 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5 kA (U _P)	1.2 kV
Response time (t _a)	≤ 100 ns
Special backup protection device for surge	ESCB-50TA/4P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	480 V/120 mins(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 144 mm x 66 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

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 ²
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	≤ 95 %(No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911416Q



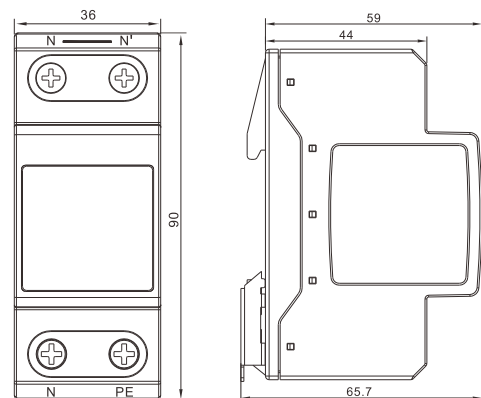
Class I+class II surge protector YSPD-100HA-260Q-R/1P



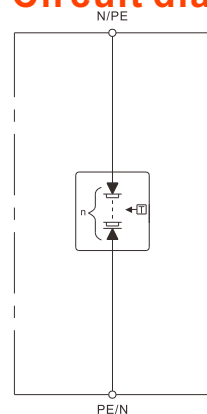
Description

DIN rail, combined Type 1+2 / Class I+II with Spark Gap technology for use in 230/400 Vac power supply system at boundaries from LPZ 0B-2, and specially designed for installation between N and PE

Dimension drawing



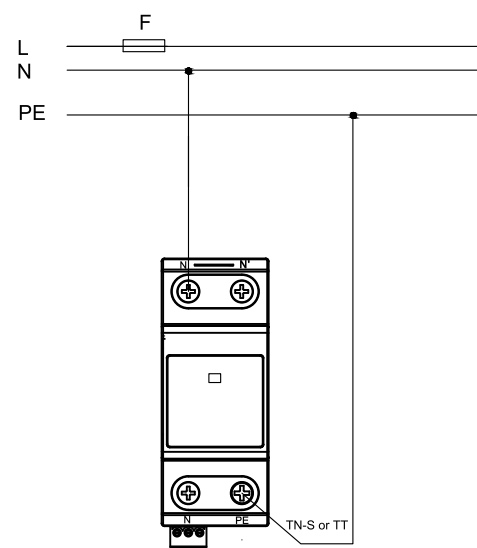
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-100HA-260Q-R/1P
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB/T 18802.11	Type 1+Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP
Nominal Voltage (U_N)	230 / 400 Vac
Max. continuous operating voltage (U_c)	260 Vac
Nominal discharge current (8/20 μ s) (I_n)	100 kA
Lightning impulse current (10/350 μ s) (I_{imp})	100 kA
Specific energy (W/R)	2500 kJ / ohms
Charge (Q)	50 As
Follow current extinguishing capability (I_{fi})	100 Arms
Voltage protection level (U_P)	1.5 kV
Voltage protection level for 5 kA (U_P)	1.0 kV
Response time (t_A)	≤ 100 ns
Temporary overvoltage (TOV) (U_T)	1200 V / 200 ms
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm $\times$ 36 mm $\times$ 66 mm
Cross-sectional area (max.)	25 mm ² stranded / flexible
Cross-sectional area (min.)	1.5 mm ² stranded / flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

Environmental

Location category	Indoor only
Operation temperature range (T_u)	-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	911116Q