



Photovoltaic DC 1+2 level surge protector

YSPD-40C-100M-R/2P



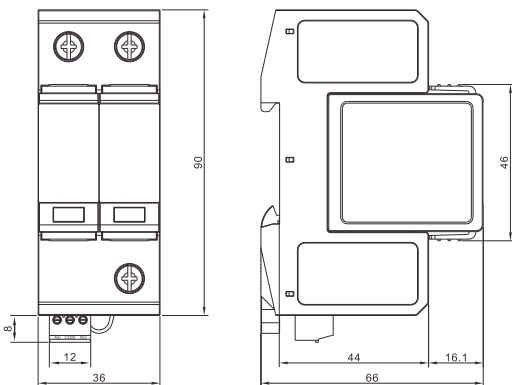
Description

Pluggable shockproof module, integrated base, I+II level / 1+2 level surge protector, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

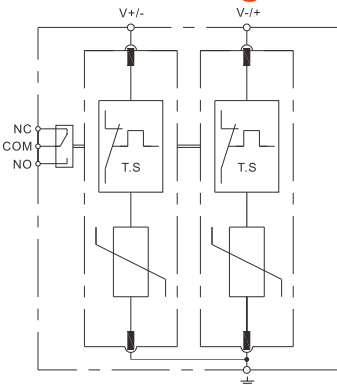
Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

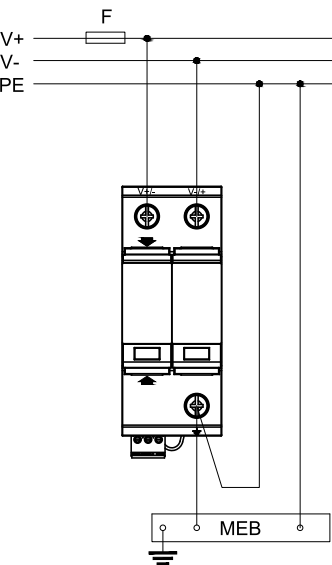
Dimension drawing



Circuit diagram



Wiring diagram



Electrical

Product model	YSPD-40C-100M-R/2P
SPD according to IEC61643-1/11	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	MOV
Max. continuous operating d.c. voltage (U_{CPV})	100 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Lightning impulse current (10/350 μ s) (I_{imp})	5 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	0.6 kV
Voltage protection level for 5 kA (U_P)@5kA	0.35 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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	912201



Photovoltaic DC 1+2 level surge protector

YSPD-40C-300M-R/2P



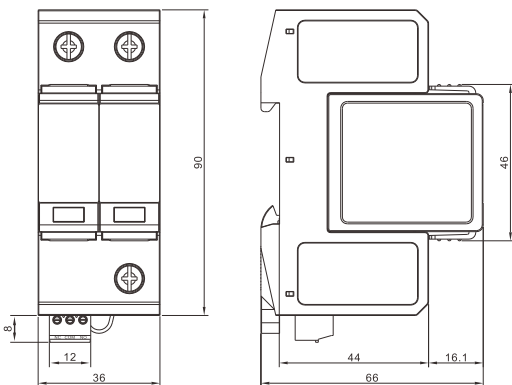
Description

Pluggable shockproof module, integrated base, I+II level / 1+2 level surge protector, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

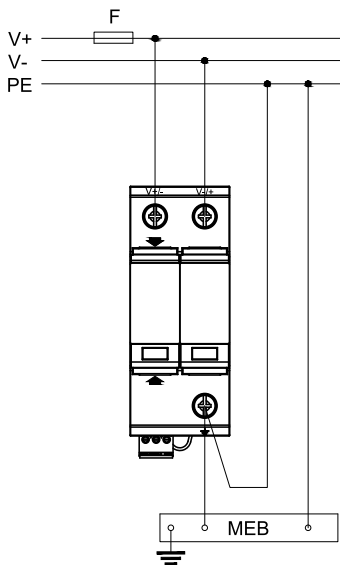
Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

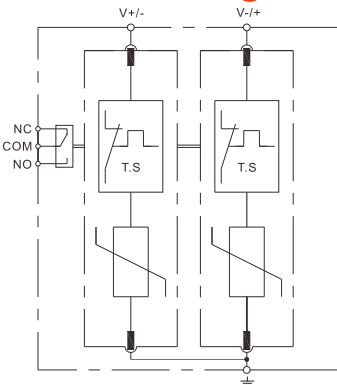
Dimension drawing



Wiring diagram



Circuit diagram



Electrical

Product model	YSPD-40C-300M-R/2P
SPD according to EN 50539-11:2013	Class I+Class II
SPD according to IEC 61643-31:2018	Type 1+Type 2
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	300 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Lightning impulse current (10/350 μ s) (I_{imp})	5 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	1.4 kV
Voltage protection level for 5 kA (U_P)@5kA	1.2 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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 %
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	912203



Photovoltaic DC 1+2 level surge protector

YSPD-40C-600M-R/2P



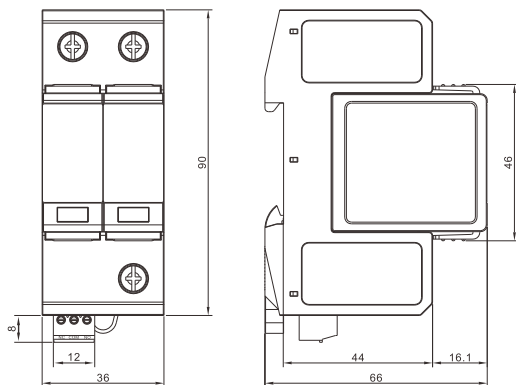
Description

Pluggable shockproof module, integrated base, I+II level / 1+2 level surge protector, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

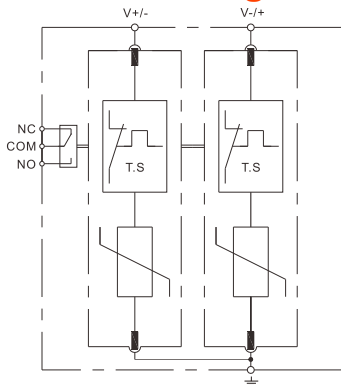
Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

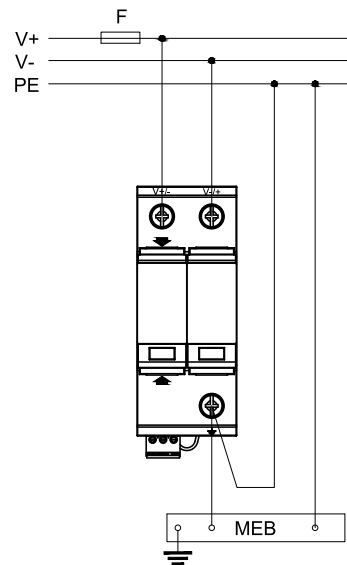
Dimension drawing



Circuit diagram



Wiring diagram



Electrical

Product model	YSPD-40C-600M-R/2P
SPD according to IEC61643-1/11	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	MOV
Max. continuous operating d.c. voltage (U_{CPV})	600 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Lightning impulse current (10/350 μ s) (I_{imp})	5 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	2.0 kV
Voltage protection level for 5 kA (U_P)@5kA	1.9 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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 %
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	912205



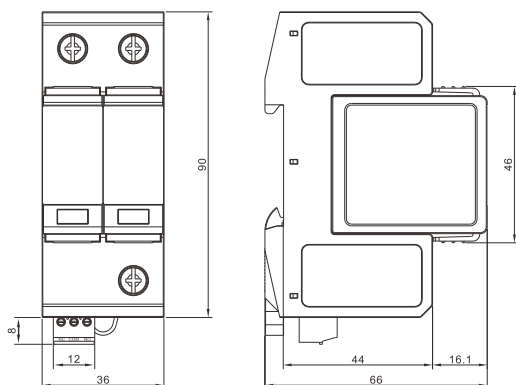
Photovoltaic DC 1+2 level surge protector YSPD-40C-750M-R/2P



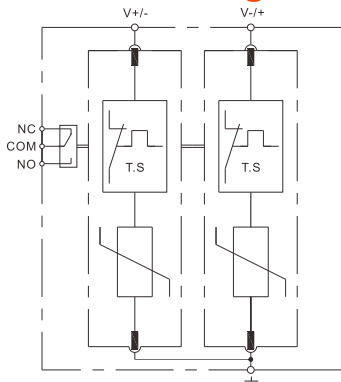
Description

Pluggable shockproof module, integrated base, I+II level / 1+2 level surge protector, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



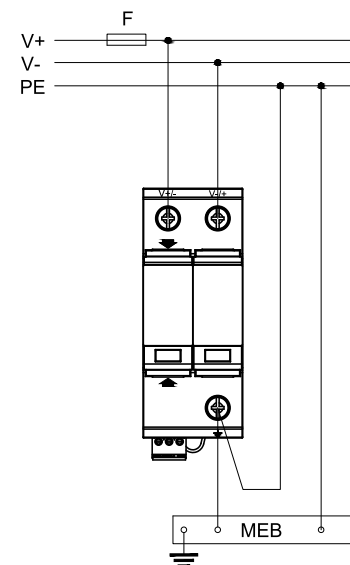
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-750M-R/2P
SPD according to IEC61643-1/11	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	MOV
Max. continuous operating d.c. voltage (U_{CPV})	750 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Lightning impulse current (10/350 μ s) (I_{imp})	3 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	2.5 kV
Voltage protection level for 5 kA (U_P)@5kA	1.9 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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	912206



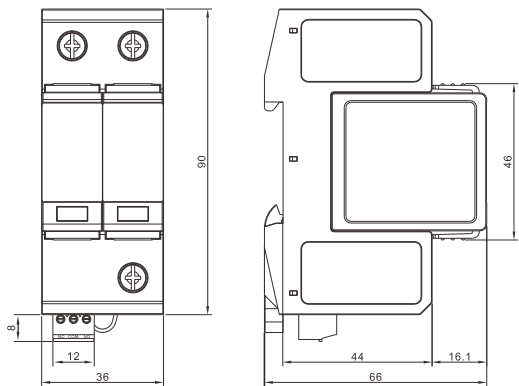
Photovoltaic DC Class II
surge protector
YSPD-40C-100B-R/2P



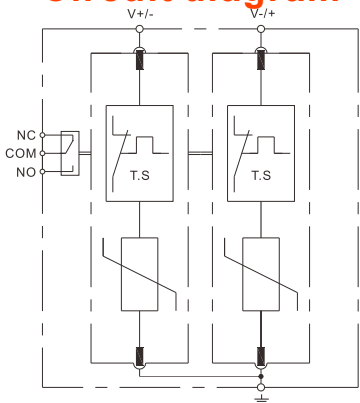
Description

Pluggable shockproof module, integrated base, Class II/Class 2 surge protector, suitable for photovoltaic DC distribution systems, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



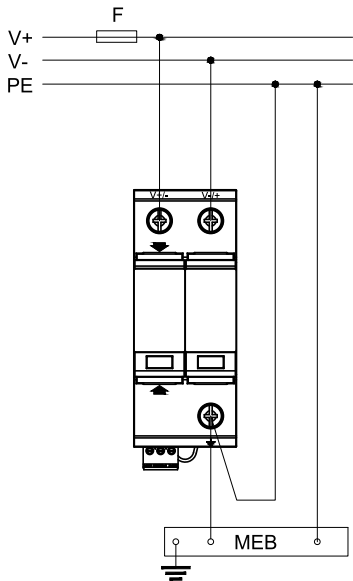
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-100B-R/2P
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	MOV
Max. continuous operating d.c. voltage (U_{CPV})	100 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	0.6 kV
Voltage protection level for 5kA (U_P)	0.35 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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 for remote signaling terminals (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	912208



Photovoltaic DC Class II surge protector

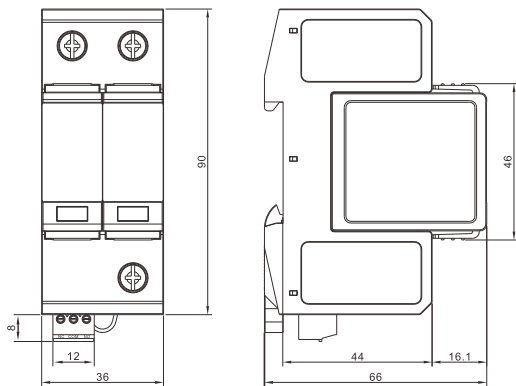
YSPD-40C-300B-R/2P



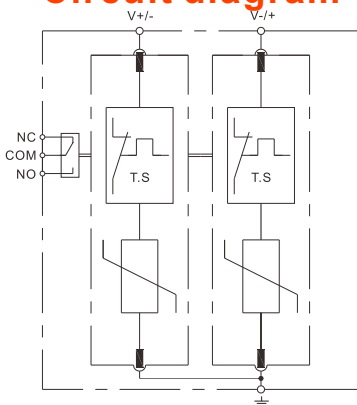
Description

Pluggable shockproof module, integrated base, Class II/Class 2 surge protector, suitable for photovoltaic DC distribution systems, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



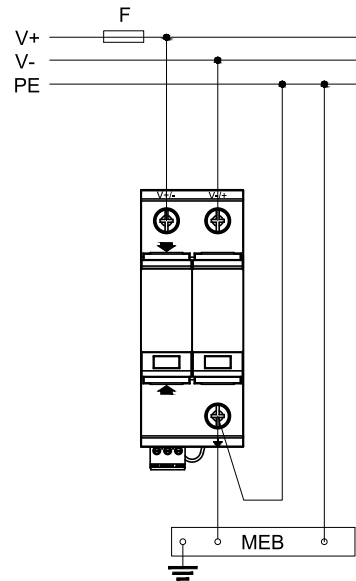
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-300B-R/2P
SPD according to EN 50539-11:2013	Type 2
SPD according to CGC/GF 026:2013	Type 2
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	300 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	1.4 kV
Voltage protection level for 5kA (U_P)	1.2 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

Indication

Operating status/fault indication	Green / Red
Type of Changeover contact	Changeover contact
Switching capacity	125 Vac / 1 A, 125 Vdc / 0.2 A
Cross-sectional area for remote signaling terminals (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 %
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic, UL 94V-0
Product code	912210



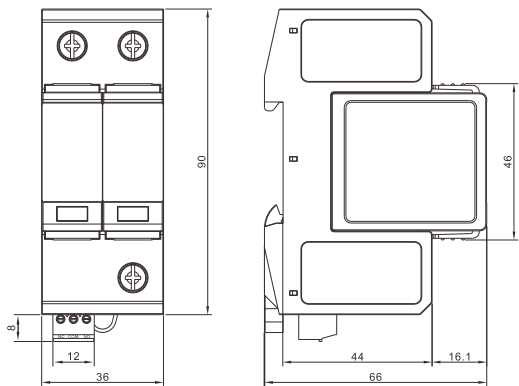
Photovoltaic DC Class II
surge protector
YSPD-40C-600B-R/2P



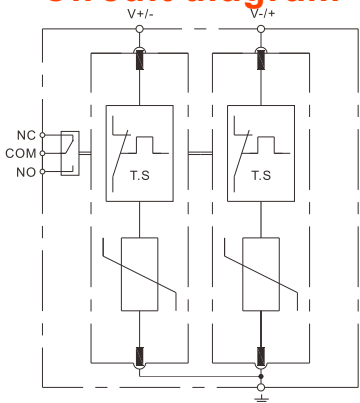
Description

Pluggable shockproof module, integrated base, Class II/Class 2 surge protector, suitable for photovoltaic DC distribution systems, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



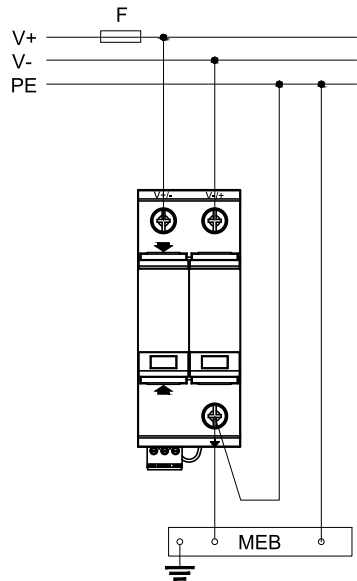
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-600B-R/2P
SPD according to IEC/EN 61643-31	Class II
SPD according to GB/T 18802.31	Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	600 V(V+/V- to PE), 1200 V(V+ to V-)
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	2.0 kV(V+/V- to PE), 4.0 kV(V+ to V-)
Voltage protection level for 5kA (U_P)	1.5 kV(V+/V- to PE), 3.0 kV(V+ to V-)
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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 for remote signaling terminals (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 %
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	912212



Photovoltaic DC Class II surge protector

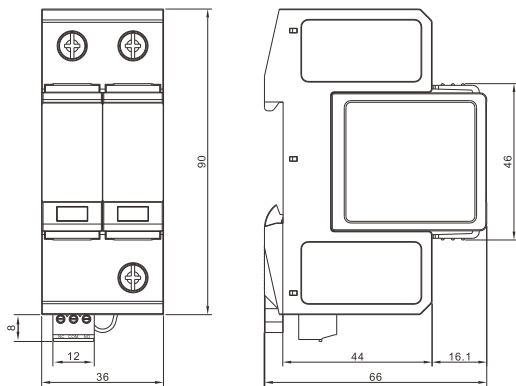
YSPD-40C-750B-R/2P



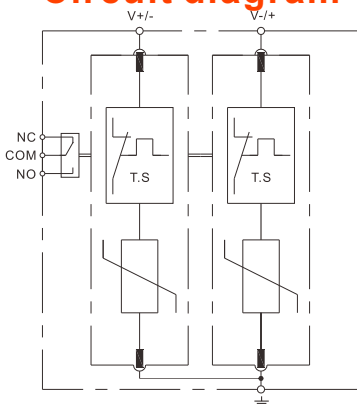
Description

Pluggable shockproof module, integrated base, Class II/Class 2 surge protector, suitable for photovoltaic DC distribution systems, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



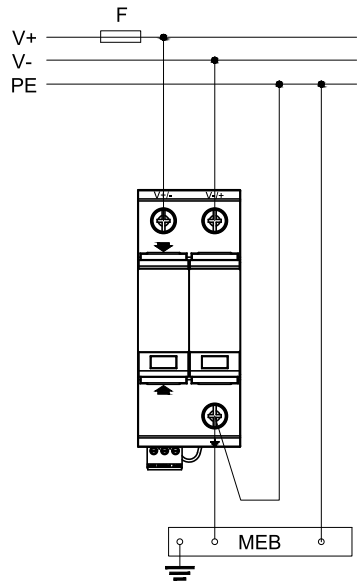
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-750B-R/2P
SPD according to IEC 61643-31	Class II
SPD according to EN 61643-31	Type 2
SPD according to GB/T 18802.31	Class II
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	750 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)(+/- to PE)	2.5 kV
Voltage protection level for 5kA (U_P)	1.9 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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 for remote signaling terminals (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	912213



Photovoltaic DC Class II surge protector

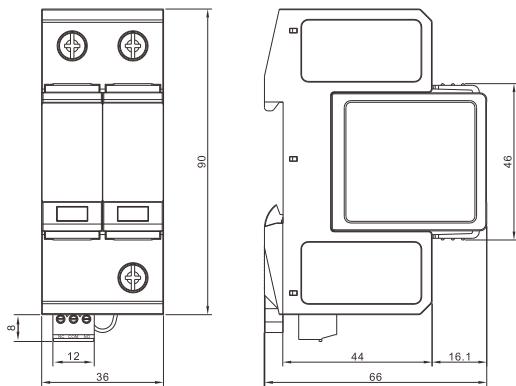
YSPD-40C-900B-R/2P



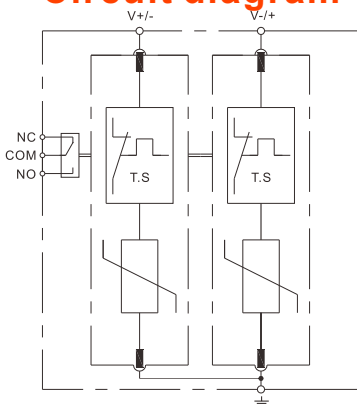
Description

Pluggable shockproof module, integrated base, Class II/Class 2 surge protector, suitable for photovoltaic DC distribution systems, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



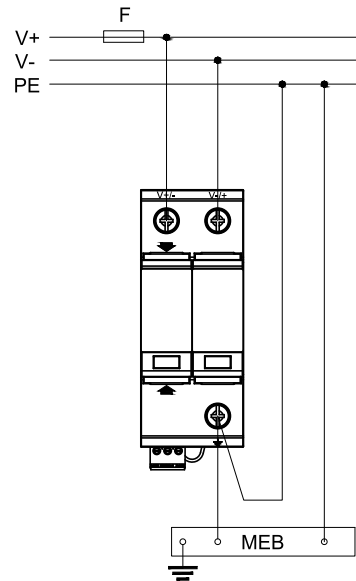
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-900B-R/2P
SPD according to IEC 61643-31	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T18802.11	Class II
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	900 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P) (+/- to PE)	3.0 kV
Voltage protection level for 5kA (U_P)	2.5 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

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

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 for remote signaling terminals (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	912214



Photovoltaic DC Class II surge protector

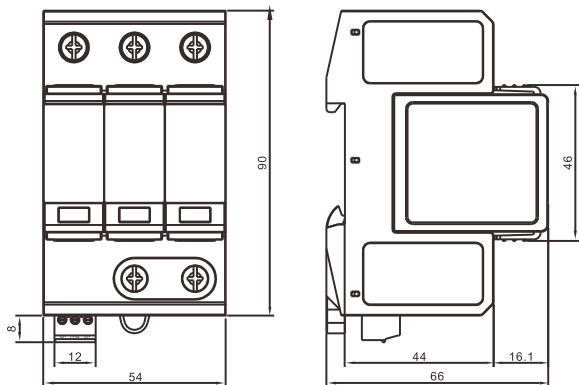
YSPD-40C-1000B-R/3P



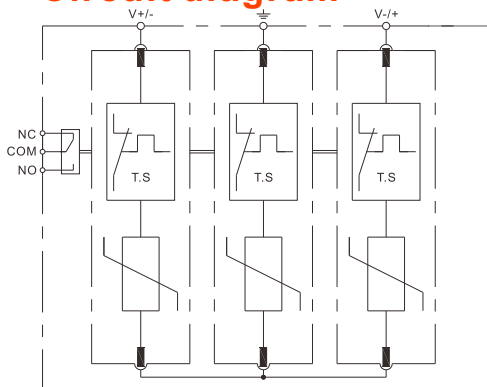
Description

Pluggable shockproof module, integrated base, II/2 level surge protector, Y-type structure with fully symmetrical protection, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



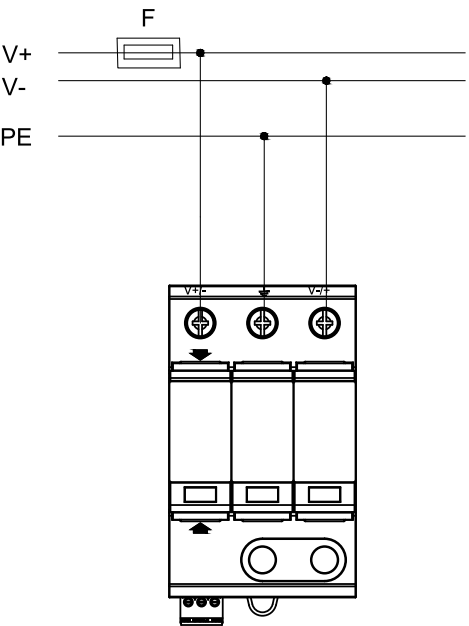
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-1000B-R/3P
SPD according to EN 50539-11:2013	Type 2
SPD according to CGC/GF 026:2013	Type 2
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	1000 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	3.5 kV
Voltage protection level for 5 kA (U_P)@5kA	2.8 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm $\times$ 54 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

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	912316



Photovoltaic DC Class II surge protector

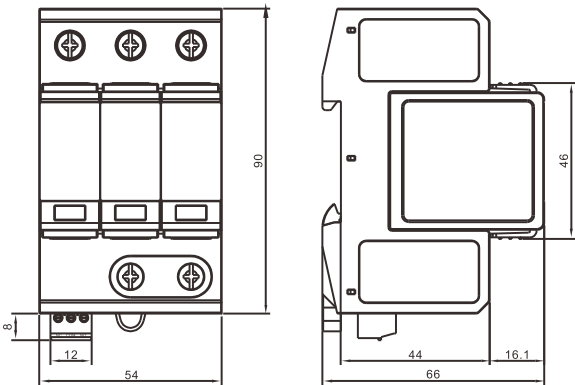
YSPD-40C-1200B-R/3P



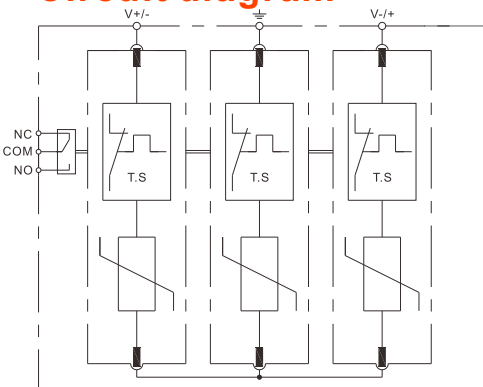
Description

Pluggable shockproof module, integrated base, II/2 level surge protector, Y-type structure with fully symmetrical protection, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones.

Dimension drawing



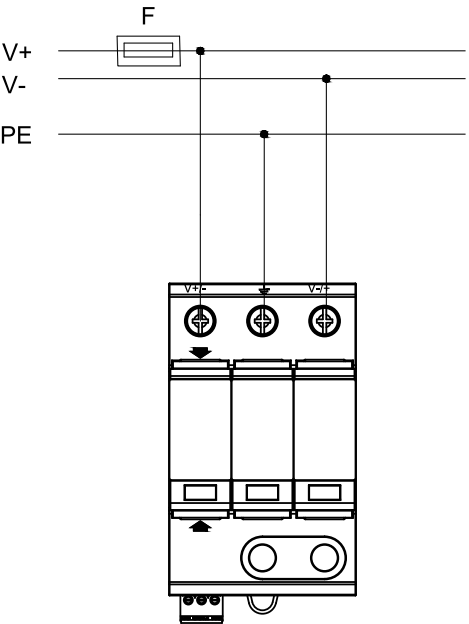
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-1200B-R/3P
SPD according to EN 50539-11:2013	Type 2
SPD according to CGC/GF 026:2013	Type 2
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	1200 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	4.0 kV
Voltage protection level for 5 kA (U_P)@5kA	3.0 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm $\times$ 54 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

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	912317



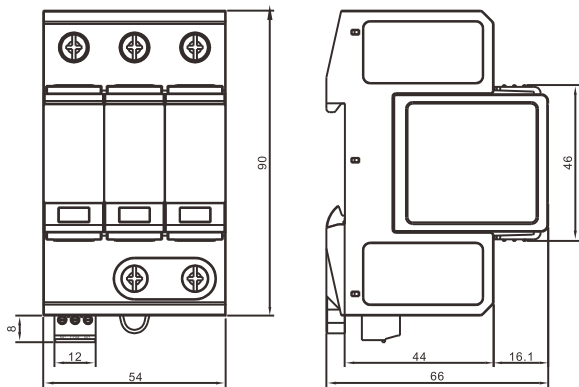
Photovoltaic DC Class II
surge protector
YSPD-40C-1500B-R/3P



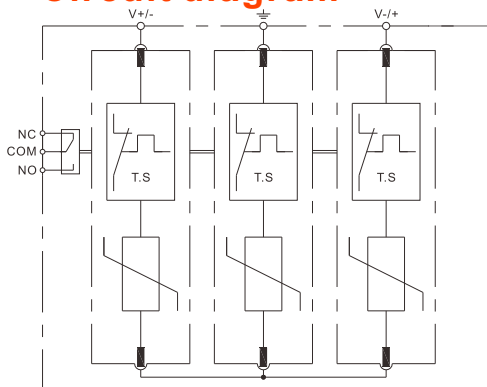
Description

Pluggable shockproof module, integrated base, II/2 level surge protector, Y-type structure with fully symmetrical protection, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones.

Dimension drawing



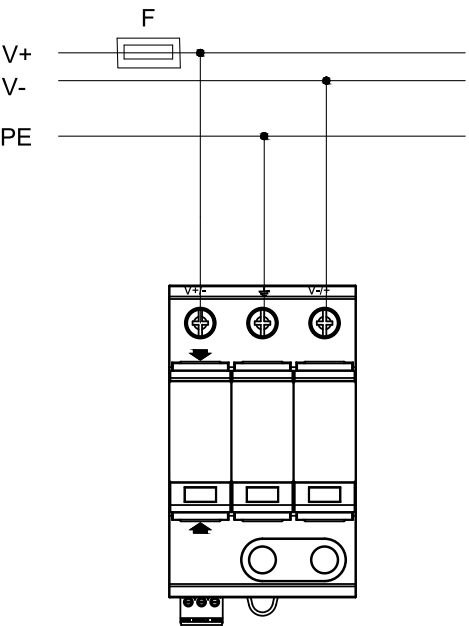
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-1500B-R/3P
SPD according to EN 50539-11:2013	Type 2
SPD according to CGC/GF 026:2013	Type 2
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U_{CPV})	1500 V
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	5.0 kV
Voltage protection level for 5 kA (U_P)@5kA	3.8 kV
Response time (t_A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I_{SCP})	1000 A

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm $\times$ 54 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

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	912318



Photovoltaic DC Class II surge protector

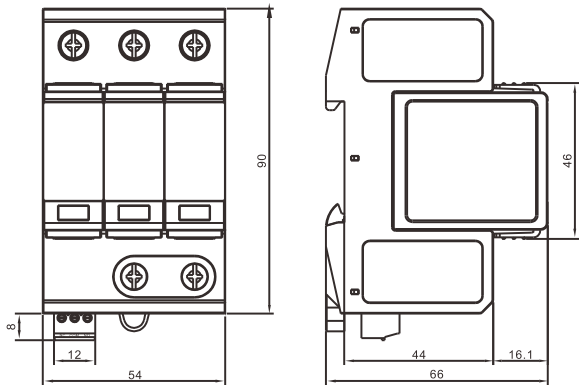
YSPD-40C-1800B-R/3P



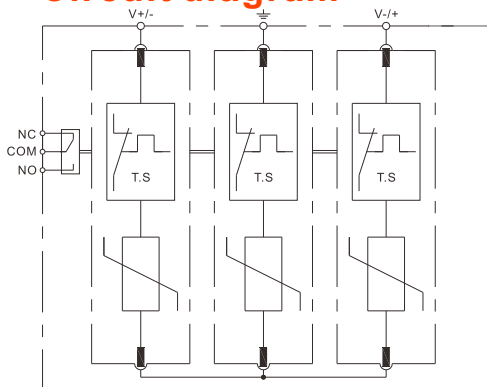
Description

Pluggable shockproof module, integrated base, II/2 level surge protector, Y-type structure with fully symmetrical protection, suitable for photovoltaic DC power distribution system, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones.

Dimension drawing



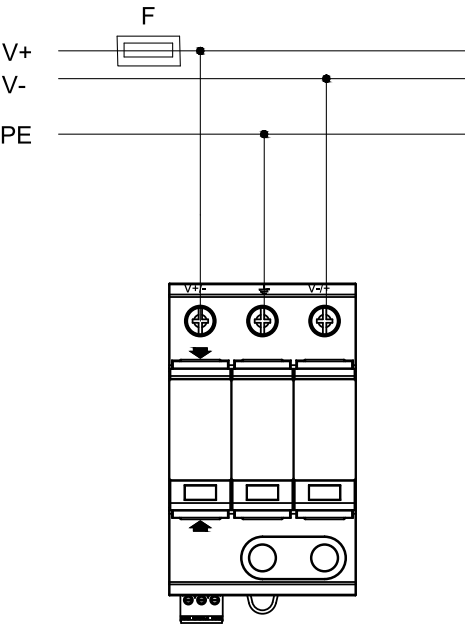
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Low residual pressure, good protection effect

Wiring diagram



Electrical

Product model	YSPD-40C-1800B-R/3P
SPD according to IEC/EN 61643-31	Class II
SPD according to GB/T 18802.31	Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Max. continuous operating d.c. voltage (U _{CPV})	1800 V
Nominal discharge current (8/20μs) (I _n)	20 kA
Max. discharge current (8/20μs) (I _{max})	40 kA
Voltage protection level (U _P)	6.0 kV
Voltage protection level for 5 kA (U _P)@5kA	5.0 kV
Response time (t _A)	≤ 25 ns
Max. overcurrent protection	Not required
Short-circuit withstand capability (I _{SCP})	1000 A

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm × 54 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	912319