

MODEL: E-MCB32DC2P

DC MINIATURE CIRCUIT BREAKER

2-Pole | 32A | Up to 1000V DC

The E-MCB32DC2P is a 2-pole DC miniature circuit breaker rated at 32A and up to 1000V DC, with a thermal-magnetic C-curve trip for overcurrent protection in DC circuit applications such as solar PV systems.



KEY FEATURES

- Rated current 32A
- 2-pole configuration
- Rated operating voltage 1000V DC
- C-curve thermal-magnetic trip
- Ultimate breaking capacity 6kA
- DIN standard rail mounting

SPECIFICATIONS

Product Type	DC Miniature Circuit Breaker, 2-Pole
Rated Operating Voltage (Ue)	1000V DC
Rated Current (In)	32A
Rated Insulation Voltage (Ui)	800V
Rated Impulse Voltage (Uimp)	8kV
Ultimate Breaking Capacity (Icu)	6kA
Running Breaking Capacity (Ics)	100% Icu
Curve Type	C
Trip Type	Thermal-magnetic
Mechanical Life	20,000 (actual average) / 8,500 (standard)
Electrical Life	2,500 (actual average) / 1,500 (standard)
Wiring Capacity	1.5-16 mm ² (In≤32A)

GENERAL

Ambient Temperature	-20°C to +70°C
Altitude	≤2000m
Relative Humidity	≤95%

Pollution Level	3
Installation	DIN standard rail
Dimensions (W x H x D)	35 x 80 x 71 mm
Weight	0.26 KG

MODEL: E-MCB63DC2P

DC MINIATURE CIRCUIT BREAKER

2-Pole | 63A | Up to 1000V DC

The E-MCB63DC2P is a 2-pole DC miniature circuit breaker rated at 63A and up to 1000V DC, with a thermal-magnetic C-curve trip for overcurrent protection in DC circuit applications such as solar PV systems.



KEY FEATURES

- Rated current 63A
- 2-pole configuration
- Rated operating voltage 1000V DC
- C-curve thermal-magnetic trip
- Ultimate breaking capacity 6kA
- DIN standard rail mounting

SPECIFICATIONS

Product Type	DC Miniature Circuit Breaker, 2-Pole
Rated Operating Voltage (Ue)	1000V DC
Rated Current (In)	63A
Rated Insulation Voltage (Ui)	800V
Rated Impulse Voltage (Uimp)	8kV
Ultimate Breaking Capacity (Icu)	6kA
Running Breaking Capacity (Ics)	100% Icu
Curve Type	C
Trip Type	Thermal-magnetic
Mechanical Life	20,000 (actual average) / 8,500 (standard)
Electrical Life	2,500 (actual average) / 1,500 (standard)
Wiring Capacity	6-25 mm ² (I≥40A)

GENERAL

Ambient Temperature	-20°C to +70°C
Altitude	≤2000m
Relative Humidity	≤95%

Pollution Level	3
Installation	DIN standard rail
Dimensions (W x H x D)	35 x 80 x 71 mm
Weight	0.26 KG

MODEL: E-MCB125DC2P

DC MINIATURE CIRCUIT BREAKER

2-Pole | 125A | Up to 1000V DC

The E-MCB125DC2P is a 2-pole DC miniature circuit breaker from the high breaking capacity family covering 63A to 125A, rated up to 1000V DC and manufactured to IEC/EN60947-2, for overcurrent protection in DC circuit applications such as solar PV systems.



KEY FEATURES

- Rated current 125A (family range: 63/80/100/125A)
- 2-pole configuration
- Rated voltage 1000V DC
- Ultimate breaking capacity 10kA
- Compliant with IEC/EN60947-2
- DIN standard rail mounting

SPECIFICATIONS

Product Type	DC Miniature Circuit Breaker, 2-Pole	
Rated Current	125A	Family range: 63A / 80A / 100A / 125A
Rated Voltage	1000V DC	
Standard	IEC/EN60947-2	
Mechanical Life	20,000 times (C.O.)	
Electrical Life	1,000 times (at 125A)	
Ultimate Breaking Capacity (Icu)	10kA	
Service Breaking Capacity (Ics)	10kA (at 125A)	
Weight	320 g	

MODEL: ERM8 / ERM3

DC MOULDED CASE CIRCUIT BREAKER

Ultimate Breaking Capacity 25kA | Fixed / Plug-in Installation

The ERM8 and ERM3 series DC moulded case circuit breakers deliver reliable protection at high ambient temperatures, with loadable string protection across a wide range of frame sizes. Ultimate short-circuit breaking capacity is tested to 25kA per IEC 60947-2.



KEY FEATURES

- Reliable protection at high ambient temperatures
- Loadable string protection across ERM8-125 / 250 / 400 and ERM3-300DC frame sizes
- Ultimate short-circuit breaking capacity Icu of 25kA (IEC 60947-2)
- Fast reclosable design for minimum standstill times
- Safe, reliable disconnecter properties switching under load
- Approval provided on request

FRAME SIZES

ERM8-125 (size)	63A, 80A, 100A, 125A
ERM8-250 (size)	160A, 200A, 225A, 250A
ERM8-400 (size)	320A, 400A
ERM3-300DC (size)	125A, 160A, 200A, 250A, 320A

SPECIFICATIONS

Rated Current In (A)	As listed above by frame size	
Ue Rated Operating Voltage (V DC)	1P: 250V 2P: 500V 3P: 750V 4P: 1000V	ERM8
Rated Insulation Voltage Ui (V DC)	DC1000V / DC1500V	
Rated Impact Voltage Uimp (kV)	8KV / 12KV	
Ultimate Breaking Capacity Icu (kV)	25KV / 20KV	
Trip Type	Thermal-magnetic	
Ambient Temperature (°C)	-20 ~ 70	
Altitude	2000M	
Installation	Fixed, plug-in	

MODEL: ERP-PV40-2P

PV SURGE PROTECTIVE DEVICE

2-Pole | Up to 1000V DC | High-Energy MOV Protection

The ERP-PV40-2P surge protective device protects against lightning surge voltages in solar photovoltaic power supply systems. Units are installed in parallel on the DC networks to be protected, providing common and differential mode protection, and are recommended at both ends of the DC power supply line. High-energy MOVs are equipped with specific thermal disconnectors and failure indicators.



KEY FEATURES

- 2-pole DC surge protection
- UCPV rated 500V, 600V or 1000V DC variants
- High-energy MOVs with thermal disconnectors
- Visual failure indication
- Remote signal contact (250V AC / 30V DC)
- IP40 profile protection

ELECTRICAL PARAMETERS

Classified Test	II	
UCPV (V DC)	500	Variant 1
UCPV (V DC)	600 / 1000	Variant 2
In (8/20µs) (kA)	20	
Imax (8/20µs) (kA)	40	
Up (kV)	2.8	500V variant
Up (kV)	3.0 / 3.2	600V/1000V variant

REMOTE SIGNAL CONTACT

Maximum Working Voltage (V)	250 AC / 30V DC
Maximum Working Current (A)	1A (250V/AC), 1A (30V DC)

WIRING & INSTALLATION

Wiring Capacity — Hard Wire (mm²)	4–25
Wiring Capacity — Flexible Wire (mm²)	4–16
Stripping Length (mm)	10
Terminal Screws	M5

Torque — Main Circuit (Nm)	3.5
Torque — Remote Signal Contact (Nm)	0.25
Protection Class — All Profile	IP40
Protection Class — Connection Port	IP20
Installation Environment	No obvious shock and vibration
Altitude (m)	<2000
Working Temperature (°C)	-3.0 ~ +70
Relative Humidity	30% ~ 90%
Size (mm) W x H x L	36 x 90 x 67.6
Weight (kg)	0.24

MODEL: ERP-PV40-3P

PV SURGE PROTECTIVE DEVICE

3-Module | Short-Circuit Interruption (SCI) Technology | 1000V/1200V DC

The ERP-PV40-3P is a three-module photovoltaic surge protective device (SPD) with three-step DC switching, visual indication and optional remote contact signaling for use in PV systems, in accordance with IEC 61643-31. The prewired solution consists of a base and locking modules featuring combined disconnection and short-circuiting (shunting) with safe electrical isolation to prevent fire damage from DC arcs. An integrated DC fuse allows safe module replacement without arc formation.



KEY FEATURES

- Short-Circuit Interruption (SCI) overcurrent protection technology
- UCPV variants of 1000V DC or 1200V DC
- Integrated DC fuse for safe module replacement
- Green/Red visual fault indication
- Changeover contact for remote signaling
- IEC 61643-31 Type 2, IEC 61643-1 Class II certified

SPECIFICATIONS

UCPV (V DC)	1000V	1200V
Max System Discharge Current (8/20µs) [Imax]	40kA	40kA
Voltage Protection Level [UP]	<4.0kV	<4.5kV
Voltage Protection Level at 5kA [UP]	<3.6kV	<5.0kV
Integrated Fuse Breaking Capacity / Interrupting Rating	40kA/1000VDC	40kA/1200VDC
Technology	Short-Circuit Interruption (SCI) Overcurrent Protection	
Operating Temperature Range [TU]	-40°C ~ +80°C	
Nominal Discharge Current (8/20µs) [(DC+/DC-) → PE] [In]	20kA	
Response Time [tA]	<25ns	
Operating State / Fault Indication	Green (good) / Red (replace)	
Conductor Ratings — Minimum	60/75°C, 1.5mm ² /14AWG Solid/Flexible	
Conductor Ratings — Maximum	60/75°C, 35mm ² /2AWG Stranded, 25mm ² /4AWG Flexible	
Mounting	35mm DIN Rail per EN 60715	
Enclosure Material	UL 94V-0 Flame Retardant	

Degree of Protection	IP20
Capacity	3 Modules, DIN 43880
Standards Information	IEC 61643-31 Type 2, IEC 61643-1 Class II
Product Warranty	Two Years

REMOTE CONTACT SIGNALING

Remote Contact Signaling Type	Changeover Contact
AC Switching Capacity	250V / 0.1A
DC Switching Capacity	250V/0.1A; 125V/0.2A; 75V/0.5A
Conductor Ratings for Remote Contact Signal Terminals	60/75°C Max. 1.5mm ² /14AWG Solid/Flexible

MODEL: E-SPD40AC2P

AC SURGE PROTECTIVE DEVICE

N-PE Module | 48-62Hz Low Voltage Systems

The ER-D40 AC surge protective device is designed according to the requirements of IEC61643 and GB18802, suitable for 48-62Hz low-voltage power supply systems. It is characterized by low output residual voltage and fast response time. When the lightning protection device overheats or experiences over-current or breakdown failure, the built-in failure tripping device automatically separates it from the power grid. ER-D40 can be used as a third-level power line surge protector in buildings, installed in the layered distribution cabinet at the junction of LPZ2 and LPZ3.



KEY FEATURES

- Metal oxide varistor for long service life
- Pluggable components for easy testing or replacement
- Grounding jumper connected inside the base
- Degraded window indicator for at-a-glance status
- Built-in instantaneous over-current short-circuit device
- 35mm guide rail installation with front/back option

NPE MODULE — N-PE

Nominal Voltage Un	230V/48-62HZ
Insulation Resistance at 100V Rins	>10GΩ
Impulse Current Test (10/350μs) — Peak Current Iimp	12.5kA
Electricity Quantity Q	6As
Unit Energy W/R	120 kJ/Ω
Maximum Discharge Current (8/20μs) Imax	40 kA
Voltage Protection Level Up	<1.2kV
Response Time tA	<100ns
Subsequent Current at Uc If	100 Arms
Temperature Range	-40°C ~ +80°C

MODEL: E-SPD40AC4P

AC SURGE PROTECTIVE DEVICE (20-40kA)

Lightning Protection Zone 2 | Class B / Grade I

The ER-D40/20-40kA surge protective device is rated for lightning protection zone 2, tested to IEC 61643-1 and GB18802.1 as a Class B (Grade I) device, available across seven maximum continuous operating voltage variants for higher discharge current applications.



KEY FEATURES

- Nominal discharge current I_n of 20kA
- Maximum discharge current I_{max} of 40kA
- Seven U_c AC voltage variants: 150V through 480V
- Response time under 25ns
- IP20 protection level
- 35mm DIN rail mounting per EN 50022

TECHNICAL PARAMETER

Maximum Continuous Operating Voltage U_c (AC)	150V / 275V / 320V / 385V / 420V / 440V / 480V
Lightning Protection Area LPZ	2
Requirement Level (DIN VDE 0675 Part 6, draft 11.89 A1, A2)	B类 / Class B
According to IEC 61643-1	I级 / Grade I
Test Standard	IEC 61643-1, GB18802.1
Nominal Discharge Current (8/20 μ s) I_n	20kA
Maximum Discharge Current (8/20 μ s) I_{max}	40kA
Voltage Protection Level U_p 在 I_n 時	$\leq 460V$ / $\leq 800V$ / $\leq 1.8kV$ / $\leq 2.0kV$ / $\leq 2.2kV$ / $\leq 2.4kV$ / $\leq 2.5kV$ Across U_c variants
Response Time t_A	<25ns
Maximum Backup Fuse	160AgI/gG
Sectional Area of Connecting Line	2.5-35mm ² (single strand, multi strand)
Install — Flexible Wire	2.5-25mm ² multi-strand flexible wire with sheath at connecting end
Install — Clamping	Clamped on 35mm guide rail (per EN 50022)
Protection Level	IP20

MODEL: E-ATS632P / E-ATS633P / E-ATS634P

DUAL POWER AUTOMATIC TRANSFER SWITCH (ATS)

2P / 3P / 4P | Automatic & Manual Operation | 63A-125A

The ERQ2-63 dual power automatic switch is used to switch between two power sources — a common power supply and a standby power supply. When the common power supply is powered off, the standby power supply is used; when the common power supply is restored, it switches back. If automatic switching is not needed in special circumstances, the unit can also be set to manual switching (manual/automatic dual-use, arbitrary adjustment).



KEY FEATURES

- Switches automatically between common and standby power supply
- Manual / automatic dual-use operation
- Self-return conversion method
- Indicator display for status
- 2P, 3P and 4P configurations
- Current specifications from 10A to 125A

PRODUCT PARAMETERS

Product Name	Dual Power Automatic Transfer Switch
Product Number	FCQ2CB-63 (63A) / FCQ2CB-125 (125A)
Working Frequency	50Hz/60Hz
Rated Voltage	AC400V
Operating Voltage	AC220V
Standards Compliant	IEC60947-6-1
Display Function	Indicator display
Operation Method	Automatic and manual
ATS Level	CB Class
Conversion Time	≤2s
Current Specifications	10A – 63A – 125A
Conversion Method	Self-return

PRODUCT SIZE

2P Dimensions	150mm x 128mm x 138mm (118mm W x 138mm H envelope)
3P Dimensions	185mm x 163mm x 138mm (118mm W x 138mm H envelope)

4P Dimensions

220mm x 198mm x 138mm (118mm W x
138mm H envelope)

MODEL: E-SM631PHWF

WIFI SMART METER & ENERGY PROTECTOR (SINGLE PHASE)

Single Phase | 0-63A | 0-17KW

The ERT-302 series is a single-phase smart meter and energy protector available in three variants: ERT-302WF (Wi-Fi enabled), ERT-302L (RS485), and ERT-302 (base model). All three share the same measurement ranges, with feature differences in connectivity and protection as detailed below.



KEY FEATURES

- Voltage range 170~270V, current range 0~63A
- Power range 0~17KW, energy range 0~9999Kwh
- Power failure memory on all variants
- Under/over-voltage protection on WF and L variants
- Wi-Fi connectivity on the WF variant
- Temperature measurement -20°C to 150°C

TECHNICAL SPECIFICATIONS

Model	ERT-302WF	ERT-302L / ERT-302
Voltage Range	170~270V	170~270V (all variants)
Current Range	0~63A	0~63A (all variants)
Power Range	0~17KW	0~17KW (all variants)
Timing Range	0-999Hrs	0-999Hrs (all variants)
Electricity Range	0-9999Kwh	0-9999Kwh (all variants)
Temperature Range	minus 20~150°C	minus 20~150°C (all variants)
Frequency Range	50-60HZ	50-60HZ (all variants)
Power Factor	0.00-1.00PF	0.00-1.00PF (all variants)
Power Failure Memory	Yes	Yes (all variants)
Undervoltage Protection	Yes	L: Yes / plain: None
Over-voltage Protection	Yes	L: Yes / plain: None
WiFi	Yes	L: No / plain: None

MODEL: E-SM633PHWF

WIFI SMART METER & ENERGY PROTECTOR (THREE PHASE)

Three Phase | 0-80A | 0-23KW

The ERT-306 series is a three-phase smart meter and energy protector available in three variants: ERT-306WF (Wi-Fi enabled), ERT-306L (RS485), and ERT-306 (base model). The series provides a comprehensive protection suite including over/under-voltage, overcurrent, over power, over energy, voltage/current unbalance and over-temperature protection across all three variants.



KEY FEATURES

- Voltage range AC 85-290V, current range 0-80A
- Power range 0-23KW, energy range 0-9999999Kwh
- Full protection suite: over/under-voltage, overcurrent, over power, over energy, unbalance, over-temperature
- Scheduled power off and energy/timing reset on all variants
- Wi-Fi connectivity and APP graph display on the WF variant
- RS485 communication on the L variant

TECHNICAL SPECIFICATIONS

Model	ERT-306WF	ERT-306L / ERT-306
Voltage Range	AC 85-290V	AC 85-290V (all variants)
Current Range	0-80A	0-80A (all variants)
Power Range	0-23KW	0-23KW (all variants)
Timing Range	Panel 999 hours / APP 365 days	999 hours (L / plain)
Energy Range	0-9999999Kwh	0-9999999Kwh (all variants)
Temperature Range	-20 to 150°C	-20 to 150°C (all variants)
Frequency Range	50-60HZ	50-60HZ (all variants)
Power Factor	0.00-1.00PF	0.00-1.00PF (all variants)
Power-off Memory	Yes	Yes (all variants)
Overvoltage / Undervoltage Protection	Yes	Yes (all variants)
Overcurrent / Over Power / Over Energy Protection	Yes	Yes (all variants)
Voltage / Current Unbalance Protection	Yes	Yes (all variants)

Over Temperature Protection / Scheduled Power Off	Yes	Yes (all variants)
Cycle Timing	Supported by APP	L / plain: No
Screen Saver / Energy Reset / Timing Reset	Yes	Yes (all variants)
Graph Display	Available on APP	L: Available on PC / plain: No
Wi-Fi	Yes	No (L / plain)
485 Communication	No	L: Yes / plain: No

MODEL: E-VP63

DOUBLE DISPLAY OVER UNDER VOLTAGE PROTECTOR

Automatic Reconnect | Adjustable Trip & Reconnect Time | 40A-100A

The ERT-63 automatic reconnect adjustable voltage protector provides over-voltage, under-voltage and over-current protection with automatic reconnect, voltage/current display, and adjustable trip and reconnect time settings. Rated current variants are 40A, 63A, 80A and 100A.



KEY FEATURES

- Over-voltage protection
- Under-voltage protection
- Over-current protection
- Automatic reconnect
- Voltage/current display
- Adjustable trip and reconnect time

SPECIFICATIONS

Pole No.	1P+N
Rated Voltage	220/230V AC
Rated Current	40A, 63A, 80A, 100A
Over-voltage (Adjustable)	230~300V (Default: 270V)
Under-voltage (Adjustable)	80~220V (Default: 170V)
Over-current (Adjustable)	1-80A (Default: 80A) / 1-40A (Default: 40A) / 1-100A (Default: 100A) / 1-63A (Default: 63A)
Set Boot Time	1~600S (Default: 5S)
Recovery Delay Time	1~600S (Default: 30S)
Power Consumption	<2W
Electro-mechanical Life	100,000 times
Installation	55mm symmetrical DIN rail

MODEL: E-ATS63AH4P / E-ATS100AH4P

AUTOMATIC TRANSFER SWITCH

3-Phase (N, L1, L2, L3) | Configurable Phase Sequence Priority

The ERQ2PC automatic transfer switch monitors and switches a three-phase supply (N, L1, L2, L3) with configurable over/under-voltage protection, current protection, phase sequence priority and overcurrent counting, settable through the onscreen menu.



KEY FEATURES

- 3-phase wiring: N, L1, L2, L3
- Undervoltage protection range 140-220V
- Configurable phase sequence priority (L1-L2-L3-Auto)
- Overvoltage protection range 230-300V
- Switch time under 0.2s
- Current protection settings from 1A to 100A

TECHNICAL SPECIFICATIONS

Wiring Port	N, L1, L2, L3	
Rated Voltage	AC 3 x 220V (N-L1/L2/L3)	
Rated Frequency	50/60Hz	
Overvoltage Setting Range	230-300V	
Undervoltage Setting Range	140-220V	
Power-on Delay	1-600s	
Switching Phase Sequence Time	1-600s	
Switch Time	<0.2s	
Voltage Returns To Normal Floating Value	5V	
Overvoltage Delay Time	0.1s; ≥350V: 0.02s	
Undervoltage Delay Time	0.1s; ≥350V: 0.02s	
Accurate Voltage Value	<1%	
Maximum Operating Voltage	350V	
Rated Current	63A	100A
Maximum Operating Current	63A	100A
Pollution Level	3	

Electrical Life	10 ⁵ operations
Mechanical Life	10 ⁶ operations
Height	≤2000m
Ambient Temperature	-25°C ~ +50°C
Allowable Relative Humidity	≤50% at 40°C (without condensation)
Storage Temperature	-25°C ~ +55°C

SETTINGS MENU

Pt — Power-on Delay	1s-600s
rt — Phase Sequence Conversion Delay Time	1s-600s
oU — Overvoltage Protection Value	230V-300V
uU — Undervoltage Protection Value	140V-220V
LS — Phase Sequence Priority	L1-L2-L3-Auto
oC — Current Protection Value	1A-63A <i>1A-100A</i>
Ctt — Current Action Protection Time	0.1s-10s
CC — Overcurrent Counting	0-20

MODEL: E-ATS63Q62P / E-ATS63Q64P

AUTOMATIC TRANSFER SWITCH (ATS)

Normal Power / Generator Switching | 2P / 4P | PC Class

The ERTQ6-63 automatic transfer switch is a PC class device that can be switched on and loaded without generating short-circuit current, designed for automatic switching between normal power and a backup generator. Control requires an inverter with a power output of at least 3000W using a sine wave; severe electromagnetic interference may cause the product to malfunction.



KEY FEATURES

- PC class: switch-on/load without generating short-circuit current
- 2P and 4P pole configurations
- Rated operating current 6A to 80A
- Overvoltage/undervoltage protection with automatic recovery
- Requires inverter with sine wave output $\geq 3000W$
- Rated impulse withstand voltage 8kV

TECHNICAL SPECIFICATIONS

Rated Operating Current I_e (A)	6A / 10A / 16A / 20A / 25A / 32A / 40A / 50A / 63A / 80A	
Rated Insulation Voltage (U_i)	690V	
Rated Impulse Withstand Voltage (U_{imp})	8kV	
Rated Working Voltage (U_e)	AC110V / AC220V / AC400V	
Rated Frequency	50/60Hz	
Class	PC class: can be switched on and loaded without generating short-circuit current	
Pole Number	2P	4P
Rated Short-circuit Current I_q	5kA	
Short Circuit Protection Device (fuse)	RT16-00-80A	
Control Circuit — Rated Control Voltage U_s	AC220V/110V, 50/60Hz; Normal working conditions 85% U_s -110% U_s ; requires inverter $\geq 3000W$, sine wave	
Overvoltage/Undervoltage Protection Range [return to normal 30s] — 220V/50Hz	Undervoltage 175V / Recovery 190V; Overvoltage 270V / Recovery 250V ($\pm 5V$)	

Overvoltage/Undervoltage Protection Range [return to normal 30s] — 110V/50Hz	Undervoltage 85V / Recovery 90V; Overvoltage 240V / Recovery 135V ($\pm 5V$)
Mechanical Life	≥ 8000 times
Electrical Life	≥ 1500 times
Usage Category	AC-31B

MODEL: E-PVCBX2 / E-PVCBX3 / E-PVCBX4 / E-PVCBX6 / E-PVCBX8

PV COMBINER BOX SERIES

2-in-1 to 8-in-1 Configurations | IP65 | 1000V DC

The ERPV series photovoltaic DC bushing box (PV combiner box) consolidates multiple PV strings into a single output, integrating string fuses, a DC circuit breaker and a DC surge protector in one enclosure. The series ranges from 2-in-1 to 8-in-1 configurations, with PC+ABS flame-retardant, UV-resistant enclosures on the smaller models and metal enclosures on the 6-in-1 and 8-in-1 models.



KEY FEATURES

- 2-in-1 through 8-in-1 string configurations
- IP65 ingress protection across the series
- PC+ABS flame-retardant, UV-resistant housing (2/1, 3/1, 4/1); metal housing (6/1, 8/1)
- Integrated 1000Vdc 15A string fuses
- Integrated DC circuit breaker and DC surge protector
- Rated system voltage up to 1000V DC

MODEL COMPARISON

Model No.	ERPV-2/1 ERPV-3/1 ERPV-4/1 ERPV-6/1 ERPV-8/1	
Configuration	2 in 1 out 3 in 1 out 4 in 1 out 6 in 1 out 8 in 1 out	
Housing Material	PC+ABS (2/1, 3/1, 4/1) Metal (6/1, 8/1)	Flame-retardant and UV-resistant (PC+ABS models)
Rated System Voltage	500V DC (2/1) 1000V DC (3/1, 4/1, 6/1, 8/1)	
Fuse Rating & Quantity	1000Vdc 15A fuse x4 (2/1) x6 (3/1) x8 (4/1) x12 (6/1) x16 (8/1)	
Circuit Breaker	500V DC 2P-63A (2/1) 1000V DC 4P-63A (3/1, 4/1) 1000V DC 4P-100A (6/1) 1000V DC 4P-125A (8/1)	
Surge Protector	500V DC 2P-40KA (2/1) 1000V DC 2P-40KA (3/1) 1000V DC 3P-40KA (4/1, 6/1, 8/1)	
Ingress Protection	IP65 (all models)	

MODEL: E-FE10G

PYROAEROSOL FIRE EXTINGUISHING DEVICE

10-Year Service Life | EN 15276-1:2019

The ER-FA pyroaerosol fire extinguishing device provides automatic fire suppression for electrical enclosures such as PV combiner boxes and distribution boxes, with a 10-year service life and compliance to EN 15276-1:2019.



KEY FEATURES

- Operating temperature range -50°C to +90°C
- 10-year service life
- Fire extinguishing density 100g/m³
- Shell surface temperature ≤200°C
- Compliant with EN 15276-1:2019
- Thermal activation spacing rated per distance

SPECIFICATIONS

Operating Temperature Range	-50°C ~ +90°C
Service Life	10 years
Fire Extinguishing Density	100g/m ³
Shell Surface Temperature	≤200°C
Oxidant and Its Content	Sr(NO ₃) ₂ 60% / KNO ₃ 20%
Executive Standard	EN 15276-1:2019
Thermal Activation Spacing	0.3m ≤75°C 0.12m ≤200°C 0.05m ≤400°C

MODEL: E-PVF30

DC CYLINDRICAL FUSE

10x38mm gPV Fuse Link | 1-32A | DC 1000V

The E-PVF30 PV fuse link is mainly used in solar photovoltaic combiner boxes for the protection of solar panel strings. It divides line overload and short-circuit current caused by inverters and other current feedback of photovoltaic series, and can also be used for overload and short-circuit protection of electrical components in DC circuits. The fuse link is available in round tube and square tube form, with a silver tape inner element packaged in high temperature and high strength ceramic tube, filled with high-purity silicon quartz sand as an arc-extinguishing filler.



KEY FEATURES

- 10x38mm cylindrical fuse link for PV string protection
- Rated voltage DC1000V
- gPV operating class for solar protection
- UL248-1 standard compliant
- Rated breaking capacity 20kA
- Interrupts reverse current and multi-array faults without affecting other strings

SPECIFICATIONS

Rated Voltage Ue (V DC)	1000
Rated Current In (A)	1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 25, 30, 32
Rated Breaking Capacity (KA)	20
Operating Class	gPV (Solar Protection)
Fuse Size (mm)	10 x 38
Fuse Link Weight (kg)	0.09

ENVIRONMENTAL

Working Temperature (°C)	-30 ~ +70
Resistance And Damp Hot	Class 2
Altitude (m)	<2000
Relative Humidity	<95%
Pollution	3

MODEL: E-PVFH32

DC FUSE HOLDER

Accepts 10x38mm Fuses | DC 1000V | DIN Rail

The E-PVFH32 DC fuse holder accepts 10x38mm gPV fuse links for use in photovoltaic combiner boxes and DC distribution assemblies, mounting directly to 35mm DIN rail for installation alongside string protection components.



KEY FEATURES

- Accepts 10x38mm fuse links
- Rated voltage 1000V DC
- DIN rail mounting
- 1-pole configuration
- IP20 protection class
- Compact size for combiner box installation

SPECIFICATIONS

Pole	1P
Rated Voltage (V DC)	1000
Fuse Size Accepted (mm)	10 x 38
The Most High Power Consumption (W)	3.5
Fuse Holder Size (mm) W x H x L	18 x 60 x 78
Fuse Holder Weight (kg)	0.07

CONNECTION AND INSTALLATION

Connection (mm ²)	2.5-10
Protection Class/Degree	IP20
Installation Environment	No obvious shock and vibration
Installation Class/Type	Class III / DIN rail