

Bussmann series 14 x 51 mm Modular fuse holders



Product description

Eaton's Bussmann series 14 x 51 mm modular fuse holders are suitable for use with standard cylindrical fuse links and FW type ferrule fuse links.

Their compact dimensions help reduce space, allow for higher cable bending radius. Low watts loss and wide range of accessories make them ideally suited for most industrial applications.

Standard features

- Compact dimensions
- Ventilation zones optimised for a better heat dissipation
- Inbuilt padlocking facility
- IP20 degree of protection (see details page 3)
- Photovoltaic version rated at 1500 V d.c. (IEC only) for use with gPV fuse links
- Flexibility to mount on DIN-Rail and/or screw mounting
- Toolless DIN-Rail mounting, improves ease of use and reduces installation time and costs.

Catalogue symbol

- CH14 (# of poles)**DU**: standard fuse holder
- CH141**DNXU**: neutral fuse holder
- CH14(# of poles)**DNU**: standard fuse holder and neutral
- CH14(# of poles)**DIU**: fuse holder with neon indicator
- CH14(# of poles)**DNIU**: fuse holder with neutral and neon indicator
- CH14(# of poles)**DMSU-F**: fuse holder with microswitch (pre-breaking/fuse operation)
- CH14(# of poles)**DNMSU-F**: fuse holder with neutral and microswitch (pre-breaking/fuse operation)
- CH141DI**48U**: fuse holder with LED Indicator
- **CHPV14**(# of poles)U: suitable for photovoltaic fuse links

Compatible fuse links

- C14G and C14M: 14 x 51 mm fuse links
- PV-(amp rating)A14F: Photovoltaic gPV Fuse links
- FW Ferrule fuse links

Table 1. FW Ferrule fuse links

| Catalogue number | Maximum continuous fuse current | Catalogue number | Maximum continuous fuse current |
|------------------|---------------------------------|------------------|---------------------------------|
| FWH-5A14F | 5 A | FWP-5A14F | 5 A |
| FWH-10A14F | 10 A | FWP-10A14F | 10 A |
| FWH-15A14F | 15 A | FWP-15A14F | 15 A |
| FWH-20A14F | 20 A | FWP-20A14F | 20 A |
| FWH-25A14F | 25 A | FWP-25A14F | 25 A |
| FWH-30A14F | 24 A | FWP-30A14F | 30 A |
| FWX-5A14F | 5 A | FWP-32A14F | 32 A |
| FWX-10A14F | 10 A | FWP-40A14F | 40 A |
| FWX-15A14F | 15 A | FWP-50A14F | 49 A |
| FWX-20A14F | 20 A | | |
| FWX-25A14F | 25 A | | |
| FWX-30A14F | 30 A | | |

Technical data

- Number of poles: 1 to 4
- Rated voltage

| | IEC | UL |
|---------|-------------------------|-------------|
| CH14DU | 690 V a.c. / 750 V d.c. | 700 V a.c. |
| CHPV14U | 1500 V d.c. | 1500 V d.c. |

- Rated current
 - IEC: 50 A (a.c. and d.c.)
 - UL: 50 A
- Rated power acceptance: 5 W to IEC 60269-2
- Maximum power acceptance: 6.2 W
- Protection index: IP20
- Rated impulse withstand voltage (U_{imp}): 6 kV
- SCCR Rating: 120 kA ac, 10 kA dc for CHPV14U
- Cable size: 1.5 - 50 mm²
- Torque settings:
 - Recommended torque setting 3.5 N•m
 - Maximum torque setting: 3.5 N•m

- Mounting 35 mm DIN-Rail or 2 x M4 panel mounting screws
- Self-extinguishable UL 94-V0 rated polyester material
- Storage & operating temperature range

CH14D range:

- Storage temperature -40°C to +80°C
- Operating temperature -20°C to +70°C

CHPV14 range - storage and operating temperature:

- -20°C to +90°C (indicating)
- -20°C to +120°C (non indicating)

- RoHS compliant.

Standards/Approvals

- IEC 60269-1 and 60269-2
- UL listed: file numbers E14853 for general purpose only; E348242 for photovoltaic gPV CHPV14 modular fuse holders
- CCC

Packaging

- 1-pole: 6 per pack / 2-pole: 3 per pack
- 3-pole: 2 per pack / 4-pole: 1 per pack

Table 2. Technical Data

| Old Catalogue number | New Catalogue number | Number of poles | Description |
|--|----------------------|-----------------|--|
| Neutral only | | | |
| CH141BNX | CH141DNXU | 1 | Neutral cylindrical fuse holder |
| Fuse holder only | | | |
| CH141B | CH141DU | 1 | 1-pole cylindrical fuse holder |
| CH142B | CH142DU | 2 | 2-pole cylindrical fuse holder |
| CH143B | CH143DU | 3 | 3-pole cylindrical fuse holder |
| CH144B | CH144DU | 4 | 4-pole cylindrical fuse holder |
| Fuse holder and neutral | | | |
| CH141BN | CH141DNU | 2 | 1-pole + neutral cylindrical fuse holder |
| CH143BN | CH143DNU | 4 | 2-pole + neutral cylindrical fuse holder |
| Fuse holder with neon indicator | | | |
| CH141BI | CH141DIU | 1 | 1-pole cylindrical fuse holder with neon indicator |
| CH142BI | CH142DIU | 2 | 2-pole cylindrical fuse holder with neon indicator |
| CH143BI | CH143DIU | 3 | 3-pole indicator fuse holder with neon indicator |
| CH144BI | CH144DIU | 4 | 4-pole indicator fuse holder with neon indicator |
| Fuse holder with neon indicator and neutral | | | |
| CH141BNI | CH141DNUI | 2 | 1-pole + neutral cylindrical fuse holder with neon indicator |
| CH143BNI | CH143DNUI | 4 | 3-pole + neutral cylindrical fuse holder with neon indicator |
| Fuse holder with microswitch | | | |
| CH141BMS & CH141BMS-F | CH141DMSU-F | 1 | 1-pole cylindrical fuse holder with microswitch for remote fuse indication operation |
| CH143BMS & CH143BMS-F | CH143DMSU-F | 3 | 3-pole cylindrical fuse holder with microswitch for remote fuse indication operation |
| Fuse holder with microswitch and neutral | | | |
| CH143BNMS-F & CH143BNMS | CH143DNMSU-F | 4 | 3-pole + neutral cylindrical fuse holder with microswitch for remote fuse indication operation |
| Fuse holder with LED Indicator | | | |
| N/A | CHPV141DI-48U | 1 | 1-pole cylindrical fuse holder with LED indicator |
| Fuse holder for Photovoltaic applications | | | |
| CH141D-PV | CHPV141U | 1 | 1-pole cylindrical fuse holder |
| N/A | CHPV141IU | 1 | 1-pole cylindrical fuse holder with neon indicator |
| N/A | CHPV142U | 2 | 2-pole cylindrical fuse holder |
| N/A | CHPV142IU | 2 | 2-pole cylindrical fuse holder with neon indicator |

Table 3. Accessories

| Catalogue number | Description | Unit packing |
|------------------|---|--------------|
| JV-L | Multi-pole connector kit. One kit will gang up to 4-poles together | 12 |
| CH14-SPS | Microswitch to work on CH141D(I)U , 1 n/o + 1 n/c changeover type | 3 |
| CH14-TPS | Microswitch to work on CH143D(I)U , 1 n/o + 1 n/c changeover type | 3 |
| CH14-CTP | IP20 Protection accessory, provides IP20 protection to terminals with 10mm ² or less cable | 12 |

Dimensional data - mm



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