

# 14x51mm Modular Fuse Holder

RoHS



## Catalogue Symbol:

CH14(# of poles)**B**: standard fuse holder  
 CH141**BNX**: neutral fuse holder  
 CH14(# of poles)**BN**: standard fuse holder and neutral  
 CH14(# of poles)**BI**: fuse holder with neon indicator  
 CH14(# of poles)**BNI**: fuse holder with neutral and neon indicator  
 CH14(# of poles)**BMS-F**: fuse holder with microswitch (pre-breaking/fuse operation/presence)  
 CH14(# of poles)**BNMS-F**: fuse holder with neutral and microswitch (pre-breaking/fuse operation/presence)  
 CH14(# of poles)**BMS**: fuse holder with microswitch (fuse operation)  
 CH143**BNMS**: 3-pole and neutral with microswitch (fuse operation)  
 CH14(# of poles)**B-PV**: photovoltaic fuse holder

## Compatible Fuse Links:

C14G and C14M 14x51mm fuse links  
 PV-(amp rating)A14F Photovoltaic gPV fuse links  
 FW ferrule fuse links, see table below

| Part Number | Maximum Continuous Fuse Current | Part Number* | Maximum Continuous Fuse Current |
|-------------|---------------------------------|--------------|---------------------------------|
| FWH-5A14F   | 5A                              | FWP-5A14F    | 5A                              |
| FWH-10A14F  | 10A                             | FWP-10A14F   | 10A                             |
| FWH-15A14F  | 14A                             | FWP-15A14F   | 14A                             |
| FWH-20A14F  | 18A                             | FWP-20A14F   | 18A                             |
| FWH-25A14F  | 21A                             | FWP-25A14F   | 21A                             |
| FWH-30A14F  | 22A                             | FWP-30A14F   | 22A                             |
| FWX-5A14F   | 5A                              | FWP-32A14F   | 27A                             |
| FWX-10A14F  | 10A                             | FWP-40A14F   | 32A                             |
| FWX-15A14F  | 15A                             | FWP-50A14F   | 38A                             |
| FWX-20A14F  | 20A                             |              |                                 |
| FWX-25A14F  | 24A                             |              |                                 |
| FWX-30A14F  | 27A                             |              |                                 |

\*Please contact Cooper Bussmann Application Engineers if you wish to use a FWP fuse link with a striker option.

## Standards/Certifications:

- IEC 60269-1, 60269-2, 60947-1, 60947-3
- UL4248-1 Fuse Holders, UL 486A-B Wiring Terminals
- CSA C22.2 No 4248.1 Fuse Holders, C22.2 No 65 Wiring Terminals

-  UL File: E14853

**Description:** Compact DIN-Rail mount fuse holders for 14x51mm cylindrical fuse links. Available in different versions with fuse indicator, neutral and microswitch.

CH14B-PV models for use with solar gPV fuse links available in 1 and 2-pole versions

**Packaging:** 1-pole: 6 per pack  
 2-pole: 3 per pack  
 3-pole: 2 per pack  
 4-pole: 1 per pack

## Technical Data:

Number of Poles: 1 to 4

| Rated Voltage   | IEC     | UL     |
|-----------------|---------|--------|
| CH14B Series    | 690Vac  | 750Vac |
| CH14B-PV Series | 1500Vdc | N/A    |

| Rated Current   | IEC | UL  |
|-----------------|-----|-----|
| CH14B Series    | 50A | 50A |
| CH14B-PV Series | 32A | N/A |

Rated Power Acceptance: 5W  
 Maximum Power Acceptance: 6W  
 Utilisation Category: 50A at AC-21B 690V/AC-22B 500V  
 Pollution Degree: 3  
 Protection Index: IP20  
 Rated Insulation Voltage: 8kV  $U_{imp}$   
 SCCR Rating: 200kA, 33kAdc for CH14B-PV  
 Terminal Size: 1.5-35mm<sup>2</sup> /16-3 AWG solid cable, Cu only  
 1.5-25mm<sup>2</sup> / 16-4 AWG stranded cable, Cu only  
 Service Temperature: -20°C to 70°C  
 Storage Temperature: -40°C to 80°C

## Environmental

- RoHS compliant

## Features

- Silver-plated copper contacts
- Engineered polymer enables greater performance with melting temperature in excess of 300°C
- Ventilation zones optimized for a better heat dissipation
- Accessory to isolate the fuse holder via a padlock
- IP20 security accessory to improve protection
- Label holder for easy circuit identification
- PV version rated at 1500Vdc (IEC only) for use with gPV fuse links

# 14x51mm Modular Fuse Holder

## Part Numbers System

| Old Part Number                                    | New Part Number | Number of Poles | Description  |
|--|-----------------|-----------------|--|
| <b>Neutral Only</b>                                |                 |                 |  |
| CH141DNX   | CH141BNX        | 1               | Neutral cylindrical fuse holder  |
| <b>Fuse Holder Only</b>                            |                 |                 |  |
| CH141D   | CH141B          | 1               | 1-pole cylindrical fuse holder   |
| CH142D   | CH142B          | 2               | 2-pole cylindrical fuse holder   |
| CH143D   | CH143B          | 3               | 3-pole cylindrical fuse holder   |
| CH144D   | CH144B          | 4               | 4-pole cylindrical fuse holder   |
| <b>Fuse Holder and Neutral</b>                     |                 |                 |  |
| CH141DN  | CH141BN         | 2               | 1-pole + neutral cylindrical fuse holder   |
| CH143DN  | CH143DN         | 4               | 3-pole + neutral cylindrical fuse holder   |
| <b>Fuse Holder with Neon Indicator</b>             |                 |                 |  |
| CH141DI  | CH141BI         | 1               | 1-pole cylindrical fuse holder with neon indicator   |
| CH142DI  | CH142BI         | 2               | 2-pole cylindrical fuse holder with neon indicator   |
| CH143DI  | CH143BI         | 3               | 3-pole cylindrical fuse holder with neon indicator   |
| CH144DI  | CH144BI         | 4               | 4-pole cylindrical fuse holder with neon indicator   |
| <b>Fuse Holder with Neon Indicator and Neutral</b> |                 |                 |  |
| CH141DNI   | CH141BNI        | 2               | 1-pole + neutral cylindrical fuse holder with neon indicator                                     |
| CH143DNI   | CH143BNI        | 4               | 3-pole + neutral cylindrical fuse holder with neon indicator                                     |
| <b>Fuse Holder with Microswitch</b>                |                 |                 |  |
| CH141DMS   | CH141BMS        | 1               | 1-pole cylindrical fuse holder with microswitch (fuse operation)                                 |
| CH141DMS-F   | CH141BMS-F      | 1               | 1-pole cylindrical fuse holder with microswitch (pre-breaking/fuse operation/presence)           |
| CH143DMS   | CH143BMS        | 3               | 3-pole cylindrical fuse holder with microswitch (fuse operation)                                 |
| CH143DMS-F   | CH143BMS-F      | 3               | 3-pole cylindrical fuse holder with microswitch (pre-breaking/fuse operation/presence)           |
| <b>Fuse Holder with Microswitch and Neutral</b>    |                 |                 |  |
| CH143DNMS-F  | CH143BNMS-F     | 4               | 3-pole + neutral cylindrical fuse holder with microswitch (pre-breaking/fuse operation/presence) |
| CH143DNMS  | CH143DNMS       | 4               | 3-pole + neutral cylindrical fuse holder with microswitch (fuse operation)                       |

## Accessories

| Part Number | Description   | Unit Packing |
|-------------|---|--------------|
| AL-D        | Multi-pole ganging clips, one kit will gang up to 4-poles together                                    | 12           |
| CH14-HP     | Multi-pole handle pins, one kit will gang up to 12 handles together                                   | 12           |
| CH14-L      | Lockout padlock support, it will accept up to 5mm diameter padlock shank                              | 5            |
| CH14-IP20   | IP20 protection accessory, provides IP20 protection to terminals with 10mm <sup>2</sup> or less cable | 12           |
| CH14-MS1    | 1-pole microswitch accessory, provides detection of a blown fuse link                                 | 5            |
| CH14-MS3    | 3-pole microswitch accessory, provides detection of a blown fuse link                                 | 3            |

# 14x51mm Modular Fuse Holder



Dimensions (mm)

