

# 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 helps reduce space, allows 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
- CH**PV**14(# 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 mm<sup>2</sup>
- 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

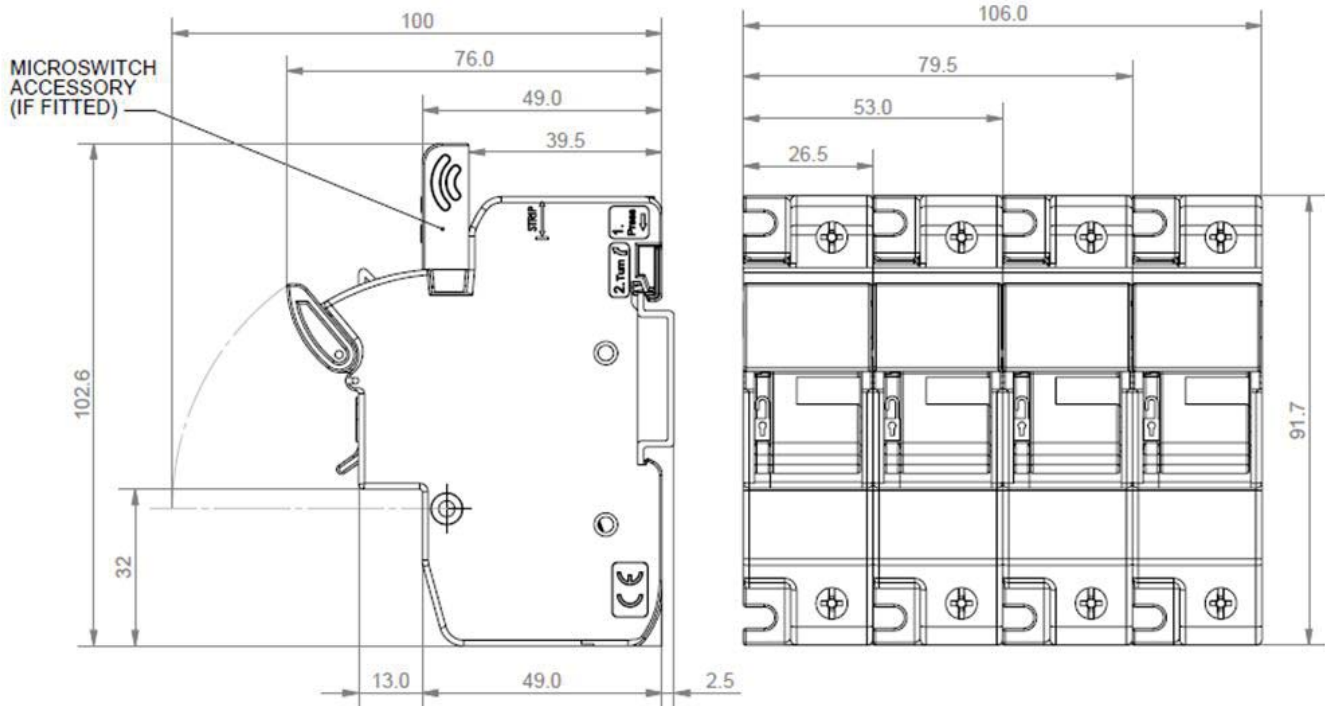
Table 2. Technical Data

| Old Catalogue number                               | New Catalogue number | Number of poles | Description                                                                                    |
|----------------------------------------------------|----------------------|-----------------|------------------------------------------------------------------------------------------------|
| <b>Neutral only</b>                                |                      |                 |                                                                                                |
| CH141BNX                                           | CH141DNXU            | 1               | Neutral cylindrical fuse holder                                                                |
| <b>Fuse holder only</b>                            |                      |                 |                                                                                                |
| 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                                                                 |
| <b>Fuse holder and neutral</b>                     |                      |                 |                                                                                                |
| CH141BN                                            | CH141DNU             | 2               | 1-pole + neutral cylindrical fuse holder                                                       |
| CH143BN                                            | CH143DNU             | 4               | 2-pole + neutral cylindrical fuse holder                                                       |
| <b>Fuse holder with neon indicator</b>             |                      |                 |                                                                                                |
| 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                                               |
| <b>Fuse holder with neon indicator and neutral</b> |                      |                 |                                                                                                |
| CH141BNI                                           | CH141DNIU            | 2               | 1-pole + neutral cylindrical fuse holder with neon indicator                                   |
| CH143BNI                                           | CH143DNIU            | 4               | 3-pole + neutral cylindrical fuse holder with neon indicator                                   |
| <b>Fuse holder with microswitch</b>                |                      |                 |                                                                                                |
| 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           |
| <b>Fuse holder with microswitch and neutral</b>    |                      |                 |                                                                                                |
| CH143BNMS-F & CH143BNMS                            | CH143DNMSU-F         | 4               | 3-pole + neutral cylindrical fuse holder with microswitch for remote fuse indication operation |
| <b>Fuse holder with LED Indicator</b>              |                      |                 |                                                                                                |
| N/A                                                | CHPV141DI-48U        | 1               | 1-pole cylindrical fuse holder with LED indicator                                              |
| <b>Fuse holder for Photovoltaic applications</b>   |                      |                 |                                                                                                |
| 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 <b>CH141D(I)U</b> , 1 n/o + 1 n/c changeover type                              | 3            |
| CH14-TPS         | Microswitch to work on <b>CH143D(I)U</b> , 1 n/o + 1 n/c changeover type                              | 3            |
| CH14-CTP         | IP20 Protection accessory, provides IP20 protection to terminals with 10mm <sup>2</sup> or less cable | 12           |

Dimensional data - mm



Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions. Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrant a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to Trademarks (especially Eaton, Moeller, and Cutler-Hammer). The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

**Eaton**  
EMEA Headquarters  
Route de la Longeraie 7  
1110 Morges, Switzerland  
Eaton.eu

© 2016 Eaton  
All Rights Reserved  
Publication No. 10080  
September 2016

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)