

# Bussmann series 22 x 58 mm Modular fuse holders



## Product description

Eaton's Bussmann series 22 x 58 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 page 2)
- Flexibility to mount on DIN Rail and/or screw mounting
- Toolless DIN-Rail mounting, improves ease of use and reduces installation time and costs

**EATON**

*Powering Business Worldwide*

### Catalogue Symbol

- CH221**DNXU**: neutral fuse holder
- CH22(# of poles)**DU**: standard fuse holder
- CH22(# of poles)**DIU**: fuse holder with neon indicator
- CH221(# of poles)**DNU**: standard fuse holder and neutral
- CH221(# of poles)**DNIU**: standard fuse holder and neutral and neon indicator
- CH221(# of poles)**DMSU-F**: fuse holder with microswitch (pre-breaking/fuse operation)
- CH221(# of poles)**DNMSU-F**: fuse holder with neutral and microswitch (pre-breaking/fuse operation)
- CH221DI-**48U**: fuse holder with LED indicator

### Compatible fuse links

- C22G and C22M: 22 x 58 mm gG and gM fuse links
- FWP-A22F, see maximum continuous fuse current below

**Table 1. FWP Ferrule fuse links**

Catalogue number	Maximum continuous fuse current
FWP-20A22F	20 A
FWP-25A22F	25 A
FWP-32A22F	32 A
FWP-40A22F	38 A
FWP-50A22F	44 A
FWP-63A22F	55 A
FWP-80A22F	73 A
FWP-100A22F	86 A

### Technical data

- Number of poles: 1 to 4
- Rated voltage
  - IEC: CH22DU Series 690 V a.c. / 1000 V d.c.
  - UL: 700 V a.c.
- Rated current
  - IEC: CH22DU Series 125 A (a.c. and d.c.)
  - UL: 100 A (a.c.)
- SCCR: 120 kA (a.c.) / 50 kA (d.c.)
- Microswitch (IEC): 250 V a.c. / 5 A
- Rated power acceptance: 9.5 W to IEC 60269-2
- Protection index: IP20 Finger-safe
- Rated impulse withstand voltage (Uimp): 6 kV
- Cable size (Copper only): 2.5 mm<sup>2</sup> - 70 mm<sup>2</sup>
- Torque settings:
  - Recommended torque setting 4 N•m
  - Maximum torque setting: 5 N•m
- Mounting: 35mm DIN-Rail or 2 x M4 Panel mounting screws
- Self-extinguishable UL 94-V0 rated polyester material
- Storage & operating temperature range
  - Storage temperature -40°C to +80°C
  - Operating temperature -20°C to +70°C
- RoHS compliant.

### Standards/Approvals

- IEC 60269-1 and 60269-2
- UL listed file number E14853
- 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 part number	New part number	Number of poles	Description
<b>Neutral only</b>			
CH221BNX	CH221DNXU	1	Neutral holder
<b>Fuse holder only</b>			
CH221B	CH221DU	1	1-pole fuse holder
CH222B	CH222DU	2	2-pole fuse holder
CH223B	CH223DU	3	3-pole fuse holder
CH224B	CH224DU	4	4-pole fuse holder
<b>Fuse holder with neon indicator</b>			
N/A	CH221DIU	1	1-pole fuse holder with neon indicator
N/A	CH222DIU	2	2-pole fuse holder with neon indicator
N/A	CH223DIU	3	3-pole fuse holder with neon indicator
N/A	CH224DIU	4	4-pole fuse holder with neon indicator
<b>Fuse holder and neutral</b>			
CH221BN	CH221DNU	2	1-pole + neutral fuse holder
CH223BN	CH223DNU	4	3-pole + neutral fuse holder
<b>Fuse holder and neutral and neon indicator</b>			
N/A	CH221DNIU	2	1-pole + neutral fuse holder + neon indicator
N/A	CH223DNIU	4	3-pole + neutral fuse holder + neon indicator
<b>Fuse holder with microswitch</b>			
CH221BMS	CH221DMSU-F	1	1-pole fuse holder with microswitch (pre-breaking/fuse operation)
CH223BMS	CH223DMSU-F	3	3-pole fuse holder with microswitch (pre-breaking/fuse operation)
<b>Fuse holder with neutral and microswitch</b>			
CH223BNMS	CH223DNMSU-F	3	3-pole cylindrical fuse holder + neutral + microswitch (pre-breaking/fuse operation)
<b>Fuse holder with LED Indicator</b>			
N/A	CH221DI-48U	1	1-pole fuse holder with LED Indicator

**Table 3. Accessories**

Part number	Description	Unit packing
JV-L	Multi-pole connector kit. One kit will gang up to 4-poles together	12
CH22-CTP	IP20 protection accessory, provides IP20 protection to terminals with 10mm <sup>2</sup> or less cable	12
CH22-SPS	Microswitch to work on <b>CH221D(I)U</b> , 1 n/o + 1 n/c changeover type	3
CH22-TPS	Microswitch to work on <b>CH223D(I)U</b> , 1 n/o + 1 n/c changeover type	3

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. 10115  
 September 2016

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.