

# 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 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 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

### 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

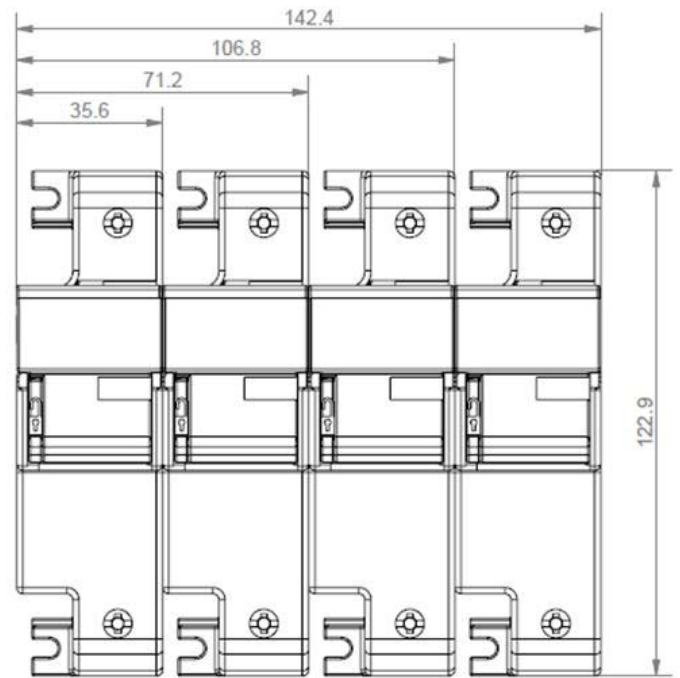
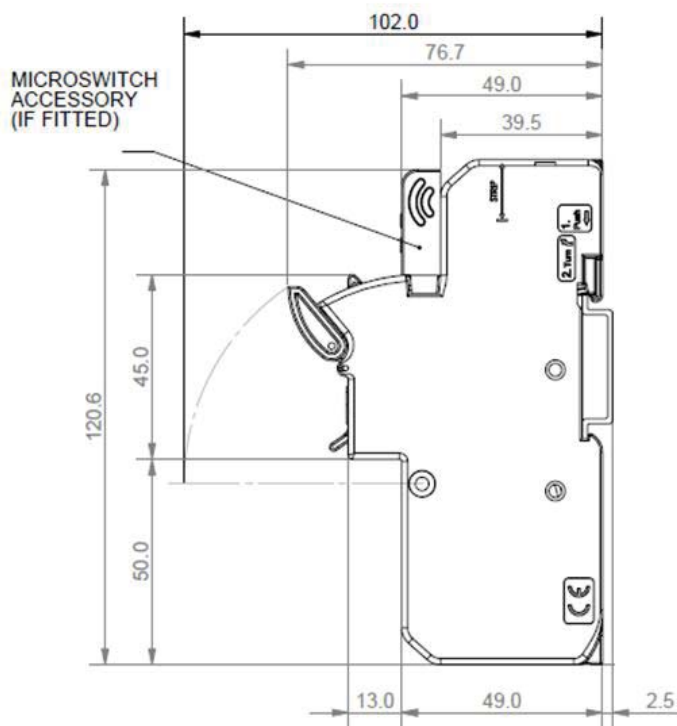
Table 2. Technical Data

| 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**



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