

**Part no.**                      **GSU3**  
**289018**

| <b>General specifications</b>                                   |  |  |
|---|--|--|
| Product name  |  | Eaton xEffect Accessories fuse device NH fuse base   |
| Part no.  |  | GSU3   |
| EAN   |  | 4015082890186  |
| Product Length/Depth  |  | 133 millimetre   |
| Product height  |  | 272 millimetre   |
| Product width   |  | 254 millimetre   |
| Product weight  |  | 3.035 kilogram   |
| Compliances   |  | RoHS conform   |
| Certifications  |  | IEC/EN 60 269-2-1<br>VDE 0636-201  |
| Product Tradename   |  | xEffect Accessories  |
| Product Type  |  | Fuse device  |
| Product Sub Type  |  | NH fuse base   |
| <b>Delivery program</b>   |  |  |
| Type  |  | Fuse bases<br>NH fuse base   |
| <b>Technical Data - Electrical</b>                              |  |  |
| Voltage rating at AC  |  | Contacts: 690 V AC   |
| Voltage rating at DC  |  | 440 V DC   |
| Rated insulation voltage (Ui)                                   |  | 750 V AC   |
| Rated current (gl/gG) - max                                     |  | 630 A  |
| Fuse current rating at 690 V - max                              |  | 500 A  |
| Rated operation current (Ie)                                    |  | 630 A  |
| Frequency rating of contacts                                    |  | 40 Hz - 60 Hz  |
| Operating altitude without derating - max                       |  | 2000 mm  |
| Overvoltage category  |  | III  |
| Pollution degree  |  | 3  |
| Direction of incoming supply                                    |  | As required  |
| <b>Technical Data - Mechanical</b>                              |  |  |
| Mounting method   |  | Screw  |
| Mounting position   |  | Vertical or horizontal   |
| Degree of protection  |  | IP00   |
| Connection type   |  | Connector M10  |
| Terminal capacity (copper busbar)                               |  | Max. 40 mm x 10 mm for flat busbar at flange connection  |
| Terminal capacity (flange connection) - max                     |  | 25 mm <sup>2</sup> - 300 mm <sup>2</sup> (1x) for cable lugs   |
| Terminal capacity (stranded cable)                              |  | 120 mm <sup>2</sup> - 300 mm <sup>2</sup> at clamp-type terminal<br>120 mm <sup>2</sup> - 240 mm <sup>2</sup> (2x) at double clamp-type terminal<br>25 mm <sup>2</sup> - 300 mm <sup>2</sup> at box terminal |
| Tightening torque   |  | 30 Nm - 35 Nm<br>11 Nm   |
| Construction size   |  | NH3  |
| Bus-mounting type   |  | No   |
| Screw diameter for flange connection                            |  | M10  |
| Climatic proofing   |  | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30   |
| <b>Design verification as per IEC/EN 61439 - technical data</b> |  |  |
| Heat dissipation at Ith DC without NH-SE                        |  | 34.7 W   |
| Heat dissipation at Ith AC without NH-SE                        |  | 52 W   |
| Ambient operating temperature - min                             |  | -25 °C   |

|   |  |                            |
|---|--|----------------------------|
| Ambient operating temperature - max       |  | 55 °C                      |
| Admissible heat dissipation (NH-SE) - max |  | 48 W                       |
| <b>Additional information</b>             |  |                            |
| Used with                                 |  | Fuse bases<br>NH fuse base |

## Technical data ETIM 9.0

|  |   |               |
|--|---|---------------|
| Circuit breakers and fuses (EG000020) / Low Voltage HRC fuse base (EC000067)   |   |               |
| Electric engineering, automation, process control engineering / Electrical installation, device / Safety fuse systems / Low-Voltage HRC fuse base (ecl@ss13-27-14-21-06 [AKE278018]) |   |               |
| Construction size  |   | NH3           |
| Mounting method  |   | Screw-on      |
| Connection type  |   | Connector M10 |
| Number of poles  |   | 3             |
| Rated current  | A | 630           |
| Bus-mounting type  |   | No            |
| Swivelling mechanism   |   | No            |
| With extra contact   |   | No            |
| Halogen free   |   | No            |