

| IEC/EN 60947-3  |   | Type<br>/Typ<br>→ | NH Type / Typ 432                      |            |                      |                                    |            |                       |                                     |            |            |                                      |            |            |                                      |            |            |
|---|---|-------------------|--|------------|----------------------|------------------------------------|------------|-----------------------|-------------------------------------|------------|------------|--------------------------------------|------------|------------|--------------------------------------|------------|------------|
|   |   |                   | 125 A                                  |            |                      | 160 A                              |            |                       | 250 A                               |            |            | 400 A                                |            |            | 630 A                                |            |            |
| Electrical<br>characteristics<br>Elektrische<br>Kenndaten | Rated operational voltage<br>Bemessungsbetriebsspannung   | $U_e$<br>(V)      | AC<br>500                              | AC<br>690  | DC<br>440            | AC<br>500                          | AC<br>690  | DC<br>440             | AC<br>400                           | AC<br>690  | DC<br>440  | AC<br>400                            | AC<br>690  | DC<br>440  | AC<br>400                            | AC<br>690  | DC<br>440  |
|   | Rated operational current<br>Bemessungsbetriebsstrom  | $I_e$ (A)         | 125                                    |            |                      | 160                                |            |                       | 250                                 |            |            | 400                                  |            |            | 630                                  |            |            |
|   | Rated frequency<br>Bemessungsfrequenz   | (Hz)              | 40-60                                  |            |                      |                                    |            |                       |                                     |            |            |                                      |            |            |                                      |            |            |
|   | Rated insulation voltage<br>Bemessungsisolationsspannung  | $U_i$ (V)         | 800                                    |            |                      | 1000                               |            |                       | 1000                                |            |            | 1000                                 |            |            | 1000                                 |            |            |
|   | Rated conditional short-circuit<br>current<br>Bedingter<br>Bemessungskurzschlussstrom                 | ( $kA_{off}$ )    | 50                                     |            |                      | 80                                 |            |                       | 80                                  |            |            | 50                                   |            |            | 50                                   |            |            |
|   | Utilization category<br>Gebrauchskategorie  | $U_i$ (V)         | AC-<br>22B                             | AC-<br>21B | DC-<br>22B<br>(63 A) | AC-<br>22B                         | AC-<br>22B | DC-<br>21B<br>(100 A) | AC-<br>22B                          | AC-<br>21B | DC-<br>20B | AC-<br>23B                           | AC-<br>22B | DC-<br>22B | AC-<br>23B                           | AC-<br>22B | DC-<br>22B |
|   | Rated impulse withstand voltage<br>Bemessungsstossspannung  | $U_{imp}$<br>(kV) | 6                                      |            |                      | 8                                  |            |                       | 12                                  |            |            | 12                                   |            |            | 12                                   |            |            |
|   | Total power loss at $I_{th}$ (without fuse)<br>Ges. Verlustleistung bei $I_{th}$ (ohne<br>Trennmesse) | $P_v$ (W)         | BM<br>10,5                             | PM<br>5    | BM<br>20             | PM<br>8                            | BM<br>26   | PM<br>14,1            | BM<br>45                            | PM<br>22   | BM<br>60   | PM<br>36                             |            |            |                                      |            |            |
| Mechanical<br>characteristics<br>Mechanische<br>Kenndaten | Mounting Type / Art der Montage   |                   | BM                                     | PM         | BM                   | PM                                 | BM         | PM                    | BM                                  | PM         | BM         | PM                                   |            |            |                                      |            |            |
|   | Dimensions<br>Abmessungen   | Width<br>Breite   | (mm)                                   | 90         | 90                   | 106                                | 106        | 184                   | 184                                 | 210        | 210        | 256                                  | 256        |            |                                      |            |            |
|   |   | Height<br>Höhe    | (mm)                                   | 200        | 143                  | 200                                | 176        | 245                   | 245                                 | 294        | 288        | 317                                  | 312        |            |                                      |            |            |
|   |   | Depth<br>Tiefe    | (mm)                                   | 90         | 74,5                 | 97                                 | 81         | 126                   | 110                                 | 142        | 126        | 155                                  | 139        |            |                                      |            |            |
|   | Weight<br>Gewicht   | (kg)              | 1,13                                   | 0,57       | 1,03                 | 0,77                               | 2,66       | 1,71                  | 5,22                                | 3,62       | 7,56       | 4,90                                 |            |            |                                      |            |            |
| Fuse links<br>Sicherung-<br>sein-<br>sätze                | Size / Größe  | -                 | 000                                    |            |                      | 00                                 |            |                       | 1                                   |            |            | 2                                    |            |            | 3                                    |            |            |
|   | Max. permis. power loss per fuse-link<br>Max.zulässige Verlustleistung<br>pro NH-SE                   | $P_v$ (W)         | 9                                      |            |                      | 12                                 |            |                       | 23                                  |            |            | 34                                   |            |            | 48                                   |            |            |
| Terminals<br>Anschluss                                    | Connection screw<br>Anschluss Schraube  |                   | -                                      |            |                      | M8<br>95mm <sup>2</sup>            |            |                       | M10<br>120mm <sup>2</sup>           |            |            | M10<br>240mm <sup>2</sup>            |            |            | M12<br>2x185mm <sup>2</sup>          |            |            |
|   | Bridge clamp<br>Brückenklemme   |                   | -                                      |            |                      | Cu<br>10-70mm <sup>2</sup><br>r(m) |            |                       | Cu<br>70-150mm <sup>2</sup><br>r(m) |            |            | Cu<br>120-240mm <sup>2</sup><br>r(m) |            |            | Cu<br>150-300mm <sup>2</sup><br>r(m) |            |            |
|   | Box terminal<br>Käfigklemme   |                   | Cu 1,5-50mm <sup>2</sup><br>r(e), r(m) |            |                      | -                                  |            |                       | Cu<br>35-150mm <sup>2</sup><br>r(m) |            |            | -                                    |            |            | -                                    |            |            |
| Protection<br>degree<br>Schutzgrad                        | Front operated switchgear fitted<br>Frontbedienung  | -                 | IP30                                   |            |                      |                                    |            |                       |                                     |            |            |                                      |            |            |                                      |            |            |

BM - Busbar mounting / Sammelschienenmontage PM - Panel mounting / Montageplattenmontage