

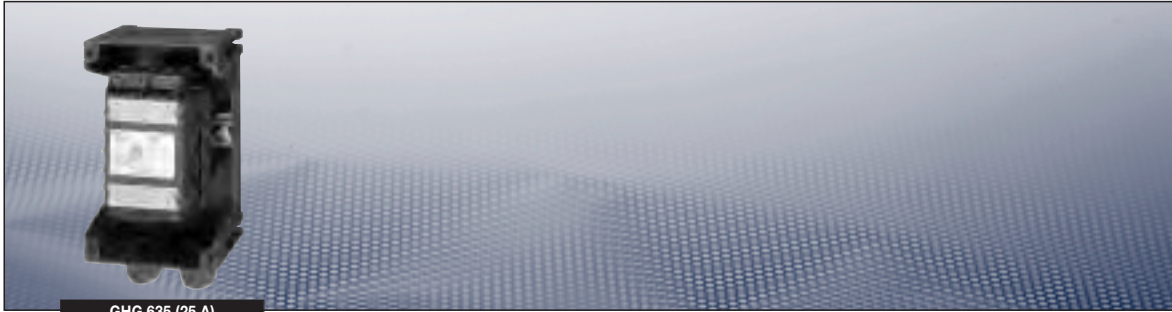
GHG 635 (25 A)

### Technical data

| Ex-Manual motor starters GHG 635 (25 A) |  |      |
|---|--|------|
| Marking to 94/9/EC                      | Ⓔ II 2 G Ex ed IIC T5/T6 / Ⓔ II 2 D Ex tD A21 IP66 T80 °C            |      |
| EC-Type Examination Certificate         | PTB 99 ATEX 1162   |      |
| Permissible ambient temperature         |  |      |
| at T6 Ie ≤ 16 A                         | -20 °C to +40 °C   |      |
| at T5 Ie > 16 A; ≤ 25 A                 | -20 °C to +55 °C   |      |
| Rated voltage                           | up to max. 690 V   |      |
| Rated current                           | max. 25 A  |      |
| Rated current auxiliary contact         | max. 2 A   |      |
| Frequency                               | 50/60 Hz   |      |
| Switch rating AC3                       | 690 V AC   | 25 A |
| Back up fuse                            | see table  |      |
| Undervoltage trip                       | tripping at 15 % - 75 % Un<br>can be switched on at U > 80 % Uc      |      |
| Main contact                            | 10 mm <sup>2</sup>   |      |
| Auxiliary contact                       | 2 x 0.75 - 4.0 mm <sup>2</sup>                                       |      |
| Thermal tripping characteristic         | T II   |      |
| Insulation class                        | I  |      |
| Degree of protection accd. EN 60529     | IP56   |      |
| Cable glands/enclosure drilling         |  |      |
| 0.1 - 6.3 A                             | 2 x M25 (d = 8 - 17 mm) <sup>1)</sup>                                |      |
| 6.3 - 25 A                              | 2 x M32 (d = 12 - 21 mm) <sup>1)</sup>                               |      |
| Weight                                  | 2.5 kg   |      |
| Enclosure material                      | Glass-fibre reinforced polyester                                     |      |
| Enclosure colour                        | black  |      |
| Padlock facility                        | can be locked in OFF position with 3 commercially available padlocks |      |

<sup>1)</sup> Version with aux. contact with additional cable gland

## Ex-Manual motor starter



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### Ordering coding for special version

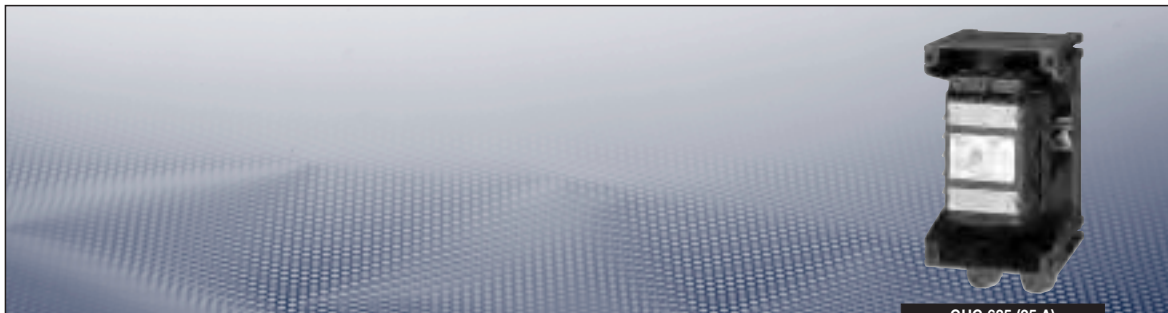
| Description | Version | Undervoltage trip | Auxiliary contact |
|-------------|---------|-------------------|-------------------|
| GHG 635 1   | A       | B                 | C R...            |

| Coding |                   |   |                                      |
|--------|-------------------|---|--------------------------------------|
| A      | Version           | 1 | = Standard version                   |
| B      | Undervoltage trip | 0 | = without undervoltage trip          |
|        |                   | 1 | = undervoltage trip 230 V            |
|        |                   | 2 | = undervoltage trip 400 V            |
|        |                   | 3 | = undervoltage trip 440 V            |
|        |                   | 4 | = undervoltage trip 500 V            |
|        |                   | 5 | = undervoltage trip 24 V             |
|        |                   | 6 | = undervoltage trip 48 V             |
|        |                   | 7 | = undervoltage trip 60 V             |
|        |                   | 8 | = undervoltage trip 110 V            |
|        |                   | 9 | = undervoltage trip 415 V            |
| C      | Auxiliary contact | 1 | = without auxiliary contact          |
|        |                   | 2 | = with auxiliary contact 1 NO + 1 NC |
|        |                   | 3 | = with auxiliary contact 2 NO        |

### Short-circuit protection up to 100 kA and maximum backup fuse

| Setting range     | 230 V AC |        | 400 V AC            |        | 500 V AC |        | 690 V AC |        | Temp.                 | Order No.             |
|-------------------|----------|--------|---------------------|--------|----------|--------|----------|--------|-----------------------|-----------------------|
|                   | lcs      | gL, aM | lcs                 | gL, aM | lcs      | gL, aM | lcs      | gL, aM |                       |                       |
| 0.1 A ... 0.16 A  |          |        |                     |        |          |        |          |        | T6                    | GHG 635 1 1 0 1 R0101 |
| 0.16 A ... 0.25 A |          |        |                     |        |          |        |          |        | T6                    | GHG 635 1 1 0 1 R0102 |
| 0.25 A ... 0.40 A |          |        | short-circuit proof |        |          |        |          |        | T6                    | GHG 635 1 1 0 1 R0103 |
| 0.40 A ... 0.63 A |          |        | no backup-fuse      |        |          |        |          |        | T6                    | GHG 635 1 1 0 1 R0104 |
| 0.63 A ... 1.0 A  |          |        | required            |        |          |        |          |        | T6                    | GHG 635 1 1 0 1 R0105 |
| 1.0 A ... 1.6 A   |          |        |                     |        |          |        |          | T6     | GHG 635 1 1 0 1 R0106 |                       |
| 1.6 A ... 2.5 A   |          |        |                     |        |          | 40     | 25       | T6     | GHG 635 1 1 0 1 R0107 |                       |
| 2.5 A ... 4.0 A   |          |        |                     |        | 40       | 35/40  | 10       | 40     | T6                    | GHG 635 1 1 0 1 R0108 |
| 4.0 A ... 6.3 A   |          |        |                     |        | 30       | 50     | 3        | 40     | T6                    | GHG 635 1 1 0 1 R0109 |
| 6.3 A ... 9.0 A   |          |        |                     |        | 30       | 80     | 3        | 50     | T6                    | GHG 635 1 1 0 1 R0110 |
| 9.0 A ... 12.5 A  |          |        | 50                  | 80     | 20       | 80     | 3        | 50     | T6                    | GHG 635 1 1 0 1 R0111 |
| 12.5 A ... 16.0 A |          |        | 50                  | 100    | 20       | 100    | 3        | 50     | T6                    | GHG 635 1 1 0 1 R0112 |
| 16.0 A ... 20.0 A |          |        | 50                  | 100    | 20       | 100    | 2        | 50     | T5                    | GHG 635 1 1 0 1 R0113 |
| 20.0 A ... 25.0 A | 50       | 125    | 50                  | 125    | 20       | 125    | 2        | 50     | T5                    | GHG 635 1 1 0 1 R0114 |

Customized version on request



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**Accessories**

**Mounting plate for Ex-main current switch 25 A**

| Type   | Application      | Fixing technique | Order No.          |
|--------|------------------|------------------|--------------------|
| Size 3 | Wall mounting    | screw-on         | GHG 610 1953 R0118 |
| Size 3 | Pipe mounting    | screw-on         | GHG 610 1953 R0110 |
| Size 3 | Trellis mounting | screw-on         | GHG 610 1953 R0118 |

**Accessories for mounting plates**

| Type  | OU | Order No.          |
|---|----|--------------------|
| Label holder with label (unlabelled) for mounting plates size 1, 2, 2A and 3        | 10 | GHG 610 1953 R0057 |
| Installation kit for pipes 1" (of 27 - 30 mm) for mounting plates for pipe mounting | 10 | GHG 610 1953 R0020 |

**Accessories for canopies plates**

| Type    | Application                                     | OU | Order No.          |
|---------|---|----|--------------------|
| Size 3  | for pipe mounting plate size 3 vertical         | 1  | GHG 610 1955 R0104 |
| Size 3A | for wall/trellis mounting plate size 3 vertical | 1  | GHG 610 1955 R0105 |
| Size 3B | for pipe mounting plate size 3 horizontal       | 1  | GHG 610 1955 R0106 |

Please note that we can only deliver in the ordering units (OU) stated in the tables above

**Dimension drawing / Wiring diagram**

**GHG 635**

**X = fixing dimensions**

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Dimensions in mm

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12