

# TeSys Control

Deca circuit breakers ref. GV2ME, undervoltage trips

## Product references

Enclosed starters

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GV2ME●●

### Thermal magnetic circuit breakers, with screw clamp terminals

#### GV2ME with pushbutton control

Standard power ratings of 3-phase motors  
50/60 Hz in category AC-3

| Standard power ratings of 3-phase motors<br>50/60 Hz in category AC-3 |                 |                                |       |                 |                                |       |                 |                                | Setting<br>range<br>of thermal<br>trips<br><sup>(2)</sup> | Magnetic<br>tripping<br>current<br>I <sub>d</sub> ± 20 % | Reference              |
|-----------------------------------------------------------------------|-----------------|--------------------------------|-------|-----------------|--------------------------------|-------|-----------------|--------------------------------|-----------------------------------------------------------|----------------------------------------------------------|------------------------|
| 400/415 V                                                             |                 |                                | 500 V |                 |                                | 690 V |                 |                                |                                                           |                                                          |                        |
| P                                                                     | I <sub>cu</sub> | I <sub>cs</sub> <sup>(1)</sup> | P     | I <sub>cu</sub> | I <sub>cs</sub> <sup>(1)</sup> | P     | I <sub>cu</sub> | I <sub>cs</sub> <sup>(1)</sup> |                                                           |                                                          |                        |
| kW                                                                    | kA              | %                              | kW    | kA              | %                              | kW    | kA              | %                              | A                                                         | A                                                        |                        |
| —                                                                     | —               | —                              | —     | —               | —                              | —     | —               | —                              | 0.1...0.16                                                | 1.5                                                      | GV2ME01                |
| 0.06                                                                  | ★               | ★                              | —     | —               | —                              | —     | —               | —                              | 0.16...0.25                                               | 2.4                                                      | GV2ME02                |
| 0.09                                                                  | ★               | ★                              | —     | —               | —                              | —     | —               | —                              | 0.25...0.40                                               | 5                                                        | GV2ME03                |
| 0.12                                                                  | ★               | ★                              | —     | —               | —                              | 0.37  | ★               | ★                              | 0.40...0.63                                               | 8                                                        | GV2ME04                |
| 0.18                                                                  | ★               | ★                              | —     | —               | —                              | —     | —               | —                              |                                                           |                                                          |                        |
| 0.25                                                                  | ★               | ★                              | —     | —               | —                              | 0.55  | ★               | ★                              | 0.63...1                                                  | 13                                                       | GV2ME05                |
| 0.37                                                                  | ★               | ★                              | 0.37  | ★               | ★                              | —     | —               | —                              | 1...1.6                                                   | 22.5                                                     | GV2ME06                |
| 0.55                                                                  | ★               | ★                              | 0.55  | ★               | ★                              | 0.75  | ★               | ★                              |                                                           |                                                          |                        |
| —                                                                     | —               | —                              | 0.75  | ★               | ★                              | 1.1   | ★               | ★                              |                                                           |                                                          |                        |
| 0.75                                                                  | ★               | ★                              | 1.1   | ★               | ★                              | 1.5   | 3               | 75                             | 1.6...2.5                                                 | 33.5                                                     | GV2ME07                |
| 1.1                                                                   | ★               | ★                              | 1.5   | ★               | ★                              | 2.2   | 3               | 75                             | 2.5...4                                                   | 51                                                       | GV2ME08                |
| 1.5                                                                   | ★               | ★                              | 2.2   | ★               | ★                              | 3     | 3               | 75                             |                                                           |                                                          |                        |
| 2.2                                                                   | ★               | ★                              | 3     | 50              | 100                            | 4     | 3               | 75                             | 4...6.3                                                   | 78                                                       | GV2ME10                |
| 3                                                                     | ★               | ★                              | 4     | 10              | 100                            | 5.5   | 3               | 75                             | 6...10                                                    | 138                                                      | GV2ME14                |
| 4                                                                     | ★               | ★                              | 5.5   | 10              | 100                            | 7.5   | 3               | 75                             |                                                           |                                                          |                        |
| 5.5                                                                   | 15              | 50                             | 7.5   | 6               | 75                             | 9     | 3               | 75                             | 9...14                                                    | 170                                                      | GV2ME16                |
| —                                                                     | —               | —                              | —     | —               | —                              | 11    | 3               | 75                             |                                                           |                                                          |                        |
| 7.5                                                                   | 15              | 50                             | 9     | 6               | 75                             | 15    | 3               | 75                             | 13...18                                                   | 223                                                      | GV2ME20                |
| 9                                                                     | 15              | 40                             | 11    | 4               | 75                             | 18.5  | 3               | 75                             | 17...23                                                   | 327                                                      | GV2ME21                |
| 11                                                                    | 15              | 40                             | 15    | 4               | 75                             | —     | —               | —                              | 20...25                                                   | 327                                                      | GV2ME22 <sup>(3)</sup> |

GV2ME technical characteristics: see in chapter B6.

#### Undervoltage trip, INRS (can only be mounted on GV2ME)

Safety device for dangerous machines conforming to INRS and VDE0113

|                                                           |             |       |         |
|-----------------------------------------------------------|-------------|-------|---------|
| Side<br>(1 block on RH side<br>of circuit breaker GV2 ME) | 110...115 V | 50 Hz | GVAX115 |
|                                                           |             | 60 Hz | GVAX116 |
|                                                           | 127 V       | 60 Hz | GVAX115 |
|                                                           | 220...240 V | 50 Hz | GVAX225 |
|                                                           |             | 60 Hz | GVAX226 |
|                                                           | 380...400 V | 50 Hz | GVAX385 |
|                                                           |             | 60 Hz | GVAX386 |
|                                                           | 415...440 V | 50 Hz | GVAX415 |
|                                                           | 440 V       | 60 Hz | GVAX385 |

GVAX technical characteristics: see in chapter B6.

(1) As % of I<sub>cu</sub>.

(2) The thermal trip setting must be within the range marked on the graduated knob.

(3) Maximum rating which can be mounted in enclosures **GV2MC** or **MP**, please consult your Regional Sales Office.

★ > 100 kA.

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GVAX●●●