



GB2CB

GB2CD



GB2DB

GB2CS

Motor  
circuit  
breakers

### Introduction

Modular thermal-magnetic circuit breakers protect and isolate the control circuits of industrial equipment with contactor coils, transformers....

They protect and isolate single-phase auxiliary circuits such as solenoid valves, electro-brakes, battery chargers, supplied from the control circuit voltage.

#### Ref. GB2CB, GB2CD, GB2DB

12 ratings are available, from 0.5 to 20 A, in single-pole (GB2CB), single-pole + neutral (GB2CD) and 2-pole (GB2DB) versions.

They have a magnetic tripping threshold set at between 12 and 16 In to withstand the current peaks generated by many industrial components.

#### Ref. GB2CS

2 ratings are available, 0.5 and 1 A, in single-pole version.

The magnetic tripping threshold is set between 5 and 7 In.

### Functions, installation

Clip-on fixing onto all types of 35 mm  $\bar{\perp}$  rails, on  $\bar{\perp}$  rails and on Telequick mounting plates.

Upstream and downstream marking by means of AB1 clip-in markers.

Clear indication of "I" and "O" positions on the operator.

Tamper-proof device which requires no special maintenance (fixed magnetic and thermal tripping thresholds).

### Selection for the protection of circuits supplied by transformers

Single-phase transformers.

Magnetising peak: 20 In.

Operation of magnetic trips: 13 In.

| Power<br>VA | Primary <sup>(1)</sup> |           | Secondary |         |         |         |
|-------------|------------------------|-----------|-----------|---------|---------|---------|
|             | 220/240 V              | 380/415 V | 24 V      | 48 V    | 110 V   | 220 V   |
| 40          | GB2DB05                | GB2DB05   | GB2CD07   | GB2CD06 | GB2CD05 | GB2CD05 |
| 63          | GB2DB05                | GB2DB05   | GB2CD08   | GB2CD07 | GB2CD06 | GB2CD05 |
| 100         | GB2DB06                | GB2DB05   | GB2CD10   | GB2CD07 | GB2CD06 | GB2CD05 |
| 160         | GB2DB07                | GB2DB06   | GB2CD14   | GB2CD09 | GB2CD07 | GB2CD06 |
| 250         | GB2DB07                | GB2DB06   | GB2CD16   | GB2CD12 | GB2CD08 | GB2CD07 |
| 400         | GB2DB08                | —         | —         | GB2CD14 | GB2CD09 | GB2CD07 |
| 630         | GB2DB10                | GB2DB08   | —         | GB2CD21 | GB2CD12 | GB2CD08 |
| 1000        | GB2DB14                | GB2DB09   | —         | —       | GB2CD16 | GB2CD10 |
| 1600        | GB2DB20                | GB2DB14   | —         | —       | —       | GB2CD14 |
| 2000        | GB2DB21                | GB2DB14   | —         | —       | —       | GB2CD16 |
| 2500        | —                      | GB2DB20   | —         | —       | —       | GB2CD20 |
| 3000        | —                      | GB2DB20   | —         | —       | —       | GB2CD21 |
| 4000        | —                      | GB2DB21   | —         | —       | —       | —       |

<sup>(1)</sup> If the breaking capacity of the GB2 is insufficient, use a GV2RT with 2 poles connected in series.

TeSys Power

Modular circuit breakers for auxiliary circuits - Thermal-magnetic

Product references



Characteristics:  
p. B6/160 to B6/162

Dimensions:  
p. B6/163

Circuit breakers with magnetic tripping threshold: 5 to 7 In



GB2CS●●

| Single-pole                                           |                                     |                 |                |
|-------------------------------------------------------|-------------------------------------|-----------------|----------------|
| Conventional rated thermal current Ith <sup>(1)</sup> | Magnetic tripping current Id ± 20 % | Sold in lots of | Unit reference |
| A                                                     | A                                   |                 |                |
| 0.5                                                   | 3.3                                 | 6               | GB2CS05        |
| 1                                                     | 6                                   | 6               | GB2CS06        |

(1) Conforming to IEC 60947-1.

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