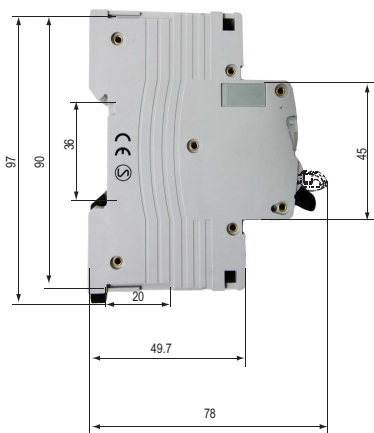


## MCB 10kA 2 Pole, B Characteristic

Type: 100ADPBM



### Technical data

Pole No: 2 Pole

Rated voltage: AC 230/400V

Rated current(A): 100

Tripping curve: B

ultimate short-circuit breaking capacity ( $I_{cu}$ ): 10kA service

short-circuit breaking capacity( $I_{cs}$ ):7.5kA Rated frequency:

50/60Hz

Rated impulse withstand voltage:6kV

Electro-mechanical endurance:

$I_n \leq 100 = 10000$ ;  $I_n 125 = 8000$  Connection terminal: Pillar

terminal with clamp

Connection capacity:

Flexible conductor 35mm<sup>2</sup>

Rigid conductor 50mm<sup>2</sup>

Installation:

On symmetrical DIN rail 35mm

Panel mounting

Terminal Connection Height: 20mm

WX52mm X H90mm X D78mm

### Tripping characteristics

| Test | Tripping Type | Test Current       | Initial State | Tripping or Non-tripping Time Limit                       | Expected Result |
|------|---------------|--------------------|---------------|-----------------------------------------------------------|-----------------|
| a    | time-delay    | 1.05I <sub>n</sub> | cold          | $t \leq 1h(I_n \leq 63A)$ $t \leq 2h(I_n > 63A)$          | No Tripping     |
| b    | time-delay    | 1.30I <sub>n</sub> | after test a  | $t < 1h(I_n \leq 63A)$ $t < 2h(I_n > 63A)$                | Tripping        |
| c    | time-delay    | 2I <sub>n</sub>    | cold          | $10s < t < 60s(I_n \leq 63A)$ $20s < t < 120s(I_n > 63A)$ | Tripping        |
| d    | instantaneous | 8I <sub>n</sub>    | cold          | $t \leq 0.2s$                                             | No Tripping     |
| e    | instantaneous | 12I <sub>n</sub>   | cold          | $t < 0.2s$                                                | Tripping        |



|                                                                                  |              |                                         |
|----------------------------------------------------------------------------------|--------------|-----------------------------------------|
| Dokument/document<br>Försäkran om överensstämmelse/<br>Declaration of conformity |              | Utgava datum/edition date<br>29/06/2016 |
| Avdelning/department<br>Kvalite/Quality                                          |              |                                         |
| Ansvarig/prepared<br>Magnus Arvidsson                                            | Version<br>5 | Sida/page<br>1 av/of 1                  |

Supplier/Tillverkare:

GARO AB  
Box 203  
S-335 25 GNOSJO  
Sweden

Telephone: +46 (0)370 33 28 00

Telefax: +46 (0)370 33 28 50

Supplier established within EU/Ombud etablerad inom EG

Telephone:

Telefax:

Supplier of equipment /Materielslag : Miniature Circuit Breaker / Dvtirgbrytare

Trade Mark/ Varumärke: GARO

Type Designation / Typbeteckning: MCBGR-..., GCB-..., MCBGS-.. and 80A ,100A 125A..

We hereby declare that our product fulfils the requirements of following EC directives/

Vi intygar härmed att vår produkt uppfyller krav enligt följande EU direktiv:

- ☒ The Low Voltage Directive (LVD) 2014/35/EU / Lågspänningsdirektivet (LVD) 2014/35/EU.
- ☐ Electromagnetic compatibility (EMC) 2004/108/EU / Elektromagnetisk kompatibilitet (EMC) 2004/ 108/EG.
- ☒ RoHS Directive (RoHS) 2011/65/EU / RoHS direktivet (RoHS) 2011/65/EG.
- ☒ No electromagnetic compatibility (EMC) immunity or emission tests are required on the assembly/  
Produkten innehåller inte elektroniska apparater som påverkas enligt förbehållen enligt direktivet (EMC) 2004/108/EG.

The following harmonised standards (latest edition) or technical specifications which comply with good engineering practice in safety matters in force within the EU have been used in the design:/

Följande harmoniserade standarder (senaste utgåva) eller tekniska specifikationer som uppfyller god säkerhetsteknik praxis inom EG har använts i konstruktionen: EN 60898-1

- ☒ The equipment conforms completely with the above stated harmonised standards or technical specifications./  
Materielen överensstämmer helt med ovan angivna harmoniserade standarder eller tekniska specifikationer.

Or/eller

- ☐ The equipment confirms only partially with the above stated harmonised standards or technical specifications but complies with good practice in safety matters in force within the EU./  
Materielen överensstämmer endast delvis med ovan angivna harmoniserade standarder eller tekniska specifikationer, men uppfyller god säkerhetsteknik praxis inom EG.

We have product surveillance according to CENELEC's harmonised requirements, documents CCA-201.

Garo AB  
Company/Företag

2016-06-29  
Date/Datum

Sign/Underskrift

Environmental- and Quality Manager/Kvalitets- och Miljöchef  
Position/Befattning

Magnus Arvidsson  
Name / Namnförtydligande