

Dimension sheet for ROBA®-brake-checker AC Type 059.500.2

(M.0595002.EN)

Application

ROBA®-brake-checker plus AC monitoring modules are used to supply permitted ROBA®-stop safety brakes. Motion monitoring of the armature disk for released ROBA-stop® safety brakes is possible.

Monitoring module ROBA®-brake-checker AC

- Sensorless and contactless detection of switching statuses
- Preventative function monitoring (wear recognition and error recognition, functional reserve)
- Brake condition recognition (release and drop-out recognition of the armature disk)
- Continuous drop-out recognition
- Simple installation or retrofitting
- Electrical isolation on the output channels
- Maximum current $I_{\max} = 3.5 \text{ A}$

Function

The ROBA®-brake-checker AC monitoring module is designed for the connection to half-wave or bridge rectifiers or to fast acting rectifiers based on half-wave or bridge rectification which are supplied with alternating voltage (50/60 Hz).

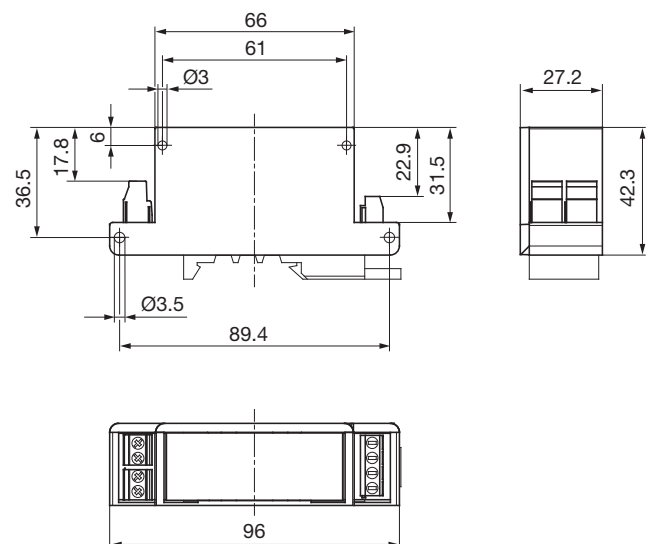
The module is switched between the rectifier and the brake and it monitors the movement of the armature disk. The determined switching condition is emitted via control terminal 3 (output signal). Critical conditions (line breakages, wear) can be recognised and the respective signal can be emitted via control terminal 4 (output error).

| | | | Size 20 |
|---------------------|-------------------------|------------------|----------------|
| Supply voltage | U_1 | [VDC] | 24 (SELV/PELV) |
| Control terminal | | | (19 – 28) |
| Coil current | max. | I_{\max} | [A] 3.5 |
| | at $\leq 45 \text{ °C}$ | I_{RMS} | [A] 3.5 |
| | at $\leq 60 \text{ °C}$ | I_{RMS} | [A] 3 cUL US |
| | at $\leq 70 \text{ °C}$ | I_{RMS} | [A] 3 CE |
| Conformity markings | | | CE cUL US |
| Protection | | | IP20 |



cUL US The UL information applies only when the UL mark is printed onto the product label.

Dimensions (mm)



Order Number

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Size 20