

Dimension sheet for ROBA®-brake-checker plus DC Typ 028.600.2

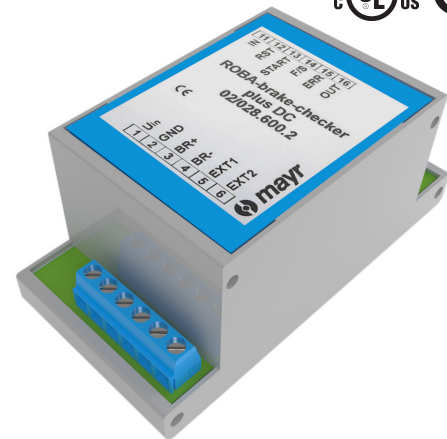
(M.0286002.EN)

Application

ROBA®-brake-checker plus DC 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 DC

- Consumer operation with overexcitation and/or power reduction
- Controlled output voltage (on reduction)
- Automatic reduction to holding voltage U_H
- Fast or slow disconnection
- Preventative function monitoring (wear recognition and error recognition, functional reserve)
- Armature disk motion recognition (release and drop-out recognition)
- Continuous drop-out recognition
- Maximum output current $I_{RMS} = 5\text{ A}$
- Maximum overexcitation current $I_o = 16\text{ A}$
- Safe monitoring of the switching times (optional)



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

CAUTION



The ROBA®-brake-checker with integrated DC-side disconnection is not suitable for being the only safety disconnection in applications!

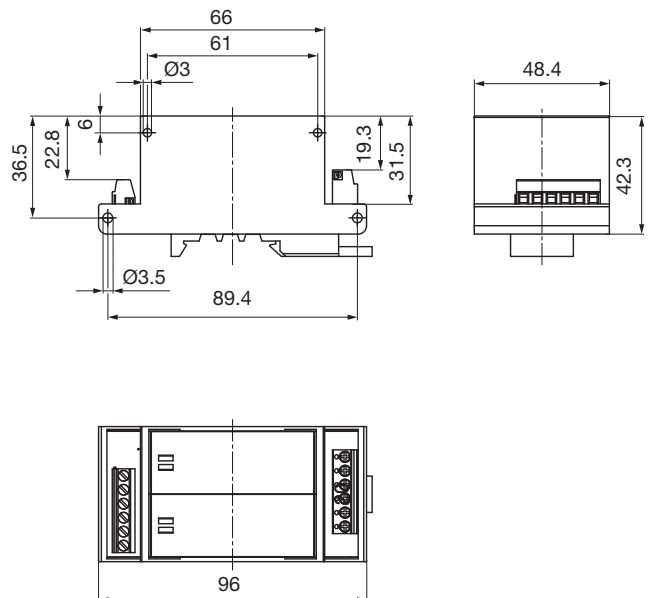
Function

The ROBA®-brake-checker plus DC monitoring module is intended for use with an input voltage of 24 VDC. The monitoring module monitors the movement of the armature disk and emits the determined switching condition via control terminal (signal output). Critical conditions (line breakages, wear, excess temperature) can be recognised and the respective signal can be emitted via control terminal (error output).

It is possible to select between fast and slow disconnection via the input F/S on the control terminal.

Louder switching noises are generated on the brakes in case of fast switch-off than in case of slow switch-off.

Dimensions (mm)



Technical data

Input voltage power terminal	SELV/PELV,	U_i	[VDC]	24 (18 - 32)
Output voltage	$\pm 5\%$	U_o	[VDC]	$0.99 \times U_i$
		U_H	[VDC]	4, 6, 8, 12, 16, 20, 24
Output current	at $\leq 45\text{ }^\circ\text{C}$	I_{RMS}	[A]	5
	at $\leq 60\text{ }^\circ\text{C}$	I_{RMS}	[A]	2.5
	at $\leq 70\text{ }^\circ\text{C}$	I_{RMS}	[A]	2.5
Conformity markings				
Protection				IP20

Order Number

— / 0 2 8 . 6 0 0 . 2

