Dimension Sheet for
Phase Demodulator Type 012.00_.2

(M.01200+2.GB)

Application

Phase demodulators are used to connect DC units to alternating voltage supplies. Due to automatic switching from the applied overexcitation voltage to the holding voltage, it is possible to energise brakes for shorter switching times with overexcitation and to reduce power dissipation after the armature disk has attracted.

Phase demodulators cannot be used in all applications. Using the phase demodulator is not possible when, for example, operating with damped brakes. Therefore, the usability is to be checked in advance.

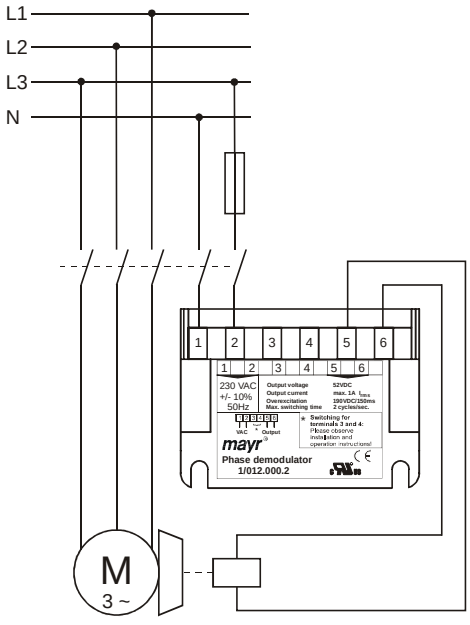
Function

The phase demodulator is provided for operation of an input voltage of 230 VAC.
The coil is energised after the input voltage is switched on using overexcitation voltage. After the overexcitation time has passed, the unit switches automatically to the holding voltage. Additionally, the phase demodulator has an integrated automatic DC-side switch-off. Contrary to the conventional DC-side switch-off, no further protective measures or external components are necessary. The integrated automatic DC-side switch-off can be deactivated by fitting a jumper.

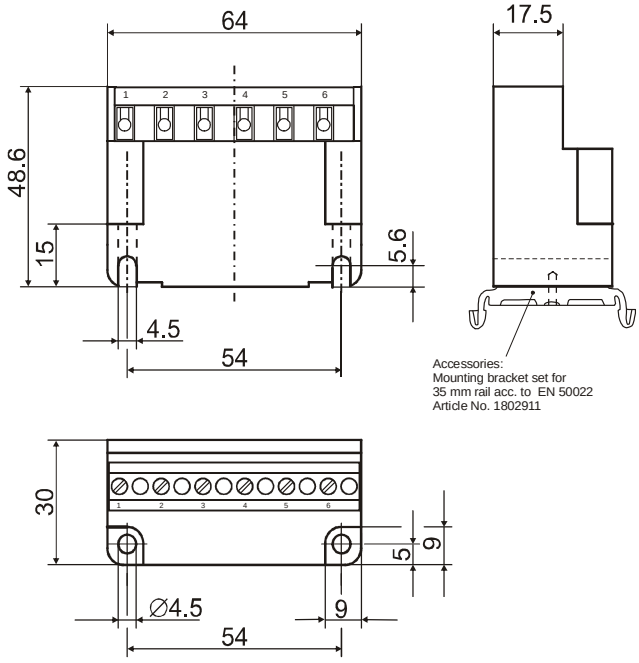
Technical Data (Type 012.000.2)

Input voltage	230 VAC ±10 %, 50 Hz
Output voltage -Holding voltage	52 VDC ±35 %
Output voltage - Overexcitation voltage	190 VDC
Overexcitation time	150 ms ±20 % plus ±10 ms
Output current	1 A, I_{RMS}/45 °C
Max. coil capacity	130 Watt
Max. switching frequency	2/s
Protection	IP65 components, IP20 terminal
Nominal cross-section	1.5 mm² (AWG 22-14)
Ambient temperature	-25 °C to +85 °C
Storage temperature	-40 °C to +105 °C
Conformity markings	UL, CE
Microfuse	FF 5 A (H), 5 x 20 mm

Wiring Example



Dimensions (mm)



Order Example:

To be stated on order:	Size	Type
Order number	_	012.00_.2

Size 1 (230 VAC)

Special designs with different input and output voltages as well as different overexcitation times are available on request!

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