

# 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 are not suitable for all applications, e.g. use of the phase demodulator when operating noise-damped brakes is not possible. The product's suitability should be checked before use.

## Function

The phase demodulator is used for 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. Apart from this, the phase demodulator has an integrated automatic DC-side disconnection. In contrast to the usual DC-side disconnection, no further protective measures or external components are required. The integrated automatic DC-side disconnection can be deactivated by fitting a bridge.

## Technical Data (Type 012.000.2)

Input voltage	230 VAC ± 10 %, 50 Hz
Output voltage	52 VDC ± 35 %
-Holding voltage	
Output voltage	190 VDC
-Overexcitation	
Overexcitation time	150 ms ± 20 % plus ± 10 ms
Output current	1 A, I <sub>RMS</sub> /45 °C
Max. coil capacity	130 Watt
Max. switching frequency	2/s
Protection	IP65 components, IP20 terminals
Terminal nom. cross-section	1,5 mm <sup>2</sup> , (AWG 22-14)
Ambient temperature	-25 °C up to +85 °C
Storage temperature	-40 °C up to +105 °C
Conformity markings	UL, CE
Device fuse	FF 5 A (H), 5 x 20 mm

## Order Number

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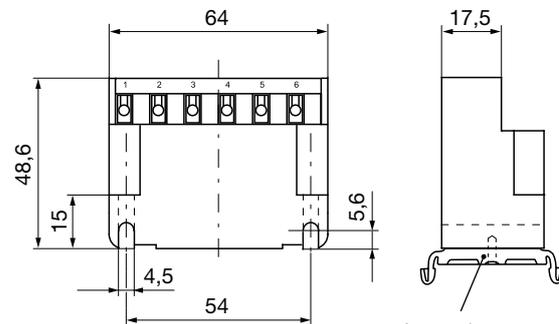
Size  
1  
(230 VAC)



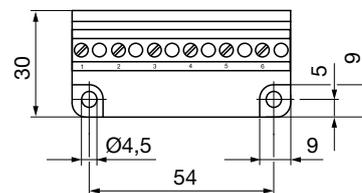
Special designs with other input and output voltages as well as longer overexcitation times are available on request!



## Dimensions (mm)



Accessories:  
Mounting bracket set for  
35 mm rail acc. EN 60715:  
Article No. 1802911



## Wiring Example

