(MI.0.04.EN)

Fast acting rectifier ROBA®-multiswitch with variable output voltages

Light-weight and flexible

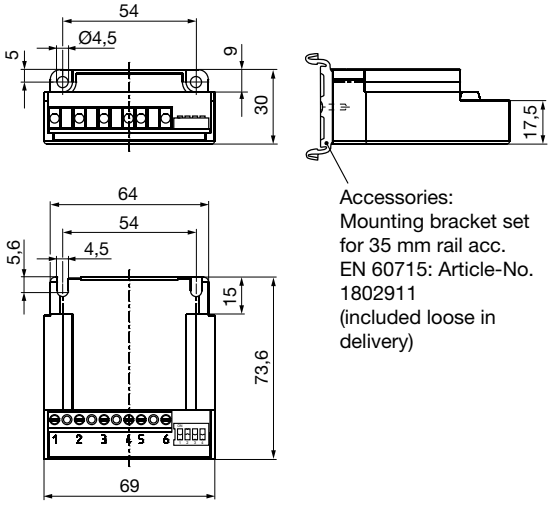
CE cULus E189728

In power transmission, electromagnetic safety brakes are normally controlled through rectifiers. They connect the brakes as DC consumers to the alternating voltage supply. The control cabinets into which these circuit modules are integrated are often limited in terms of both space and weight. Therefore, *mayr*® power transmission have developed the compact rectifiers of the ROBA®-switch series. They are significantly smaller and lighter than the big standard transformers frequently used. For the fast switching module ROBA®-multiswitch, *mayr*® power transmission now offer a design with a uniform input voltage of 230 VAC with simultaneous variable output voltage. The output voltage of 42 to 180 VDC can be adjusted via a DIP switch. This means that this module not only saves weight and space, but also allows the control of different components.

Saving energy and costs

Due to the compact design of the ROBA®-multiswitch, it is possible to use a smaller control cabinet, thus making substantial saving in costs. Another important aspect is the lower energy consumption of the fast acting rectifier by *mayr*® power transmission: In contrast to transformers, which are energised constantly, the ROBA®-multiswitch is only energised when it is needed. Because of its positive characteristics, the ROBA®-multiswitch is used in numerous applications, in particular for retrofitting solutions and new developments in control cabinet and switch cabinet construction. Further application areas are a number of electromagnetic DC consumers such as valves, solenoids, spreading magnets and door locking magnets with a nominal rated voltage corresponding to the mains input voltage.

Dimensions (mm)



Accessories:
Mounting bracket set for 35 mm rail acc. EN 60715: Article-No. 1802911 (included loose in delivery)

Technical Data

				Type 019.100.2 SO Size 20
Input voltage*	± 10 % acc. EN 50160	U_I	[VAC]	230
	Frequency		[Hz]	50 – 60
Output voltage*	± 10 %	U_H	[VDC]	42/60/80/110/180
Output current	at ≤ 45 °C	I_{eff}	[A]	2,0
	at max. 70 °C	I_{eff}	[A]	1,0
Fitted protective varistors		U_{eff}	[V]	550
Device fuses				FF 6,3 A (H) 6,3 x 32 mm
Protection				IP65 components IP20 terminals
Terminals				Nominal cross-section 1,5 mm² (AWG 22-14)
Ambient temperature			[°C]	-25 to +70

* On special designs, deviating values are possible.The values stated on the Type tag are decisive.

Chr. Mayr GmbH + Co. KG
Eichenstraße 1, D-87665 Mauerstetten, Germany
Tel.: 08341/804-0, Fax: 08341/804-421
www.mayr.com, E-Mail: info@mayr.com