

EMG 17-RC/... /S

Motor attenuation modules (RC modules) for star-connected three-phase induction motors

INTERFACE

Data sheet
101175_en_01

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1 Description

The inductance of motors or contactor coils can superimpose DC and AC circuits with hazardous voltages. RC elements have proven suitable for attenuation.

The compact motor attenuation modules for star circuits can be installed in terminal boxes on site, i.e., far away from electrical control systems.

Suitable RC modules for the power range from 4 to 7.5 kW are selected based on:

- Operating voltage
- Three-phase performance

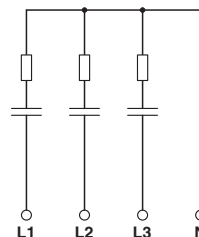


Figure 1 RC module wiring



Make sure you always use the latest documentation.
It can be downloaded at www.phoenixcontact.net/download.



This data sheet is valid for all products listed on the following page:

2 Ordering data

Motor attenuation module

Description	Type	Order No.	Pcs./Pkt.
Motor attenuation module, for star-connected three-phase induction motors, 4 kW motor power	EMG 17-RC/0,22MYF/220R/S	2948270	10
Motor attenuation module, for star-connected three-phase induction motors, 7.5 kW motor power	EMG 17-RC/0,47MYF/220R/S	2948254	10

Accessories

Description	Type	Order No.	Pcs./Pkt.
Device marking label	EMG-GKS 12	2947035	50

3 Technical data

General data

Ambient temperature range	-20°C ... +70°C
Rated insulation voltage according to EN 50178	300 V
Pollution degree according to EN 50178	2
Mounting position	Any
Installation	Can be aligned without spacing
Width	17.5 mm
Height	55 mm
Length	75 mm

Connection data

Conductor cross-section, solid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section, stranded	0.2 mm ² ... 2.5 mm ²
Conductor cross-section, AWG	24 - 12
Stripping length	8 mm
Connection method	Screw connection

RC module

	EMG 17-RC/0,22MYF/220R/S	EMG 17-RC/0,47MYF/220R/S
Nominal voltage (phase conductor/phase conductor)	500 V AC	500 V AC
Motor power	4 kW	7.5 kW
Power dissipation	0.5 W	0.5 W
Frequency range	50/60 Hz	50/60 Hz
RC combination		
Resistance	220 Ω	220 Ω
Capacitor	0.22 μF	0.47 μF

Conformance/approvals

Conformance	CE-compliant
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Conformance with Low Voltage Directive (LVD) 2006/95/EC

Electronic equipment according to	EN 50178
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