

# 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

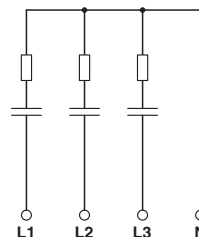


Figure 1 RC module wiring



Make sure you always use the latest documentation.  
It can be downloaded at [www.phoenixcontact.net/download](http://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 <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross-section, stranded | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| 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 |
|-------------|--------------|

### Conformance with Low Voltage Directive (LVD) 2006/95/EC

|                                   |          |
|-----------------------------------|----------|
| Electronic equipment according to | EN 50178 |
|-----------------------------------|----------|