

## Power Relay RM 2/3/7

2 / 3 pole 10 / 16 A, DC- or AC-coil



F0163-A

### Features

- 2 C/O or 3 C/O contacts
- Switching capacity up to 6000 VA
- DC- or AC-coil
- Mechanical indicator
- Push-to-test-button
- Plug-in version, PCB terminals, chassis- or DIN-rail mount

### Applications

Elevator control, power supplies



Technical data of approved types on request

| Contact data                            | RM 2              | RM 3    | RM 7    |
|---|-------------------|---------|---------|
| Configuration                           | 2 C/O             | 3 C/O   | 3 C/O   |
| Type of contact                         | single contact    |         |         |
| Rated current                           | 16 A              | 10 A    | 16 A    |
| Rated voltage / max.breaking voltage AC | 380 Vac / 440 Vac |         |         |
| Maximum breaking capacity AC            | 6000 VA           | 3800 VA | 6000 VA |
| Make current                            | 40 A              | 40 A    | 40 A    |
| Contact material                        | AgCdO             |         |         |

### Contact ratings

| Type | Load                          | Standard |
|------|-------------------------------|----------|
| RM2  | 1hp, 240 Vac, per contact     | UL 508   |
| RM7  | 1.5hp, 240 Vac, 3-phase       | UL 508   |
| RM7  | 15 A, 250 Vac, per contact    | UL 508   |
| RM3  | 1 / 2hp, 240 Vac, per contact | UL 508   |
| RM3  | 10 A, 240 Vac, per contact    | UL 508   |

| Coil data          |         | RM 2   | RM 3        | RM 7   |
|--------------------|---------|--------|-------------|--------|
| Nominal voltage    | DC coil |        | 6...220 Vdc |        |
|                    | AC coil |        | 6...400 Vac |        |
| Nominal coil power | DC coil | 1.2 W  | 1.2 W       | 1.6 W  |
|                    | AC coil | 2.3 VA | 2.3 VA      | 2.8 VA |

### Coil versions, DC-coil, RM2, RM3

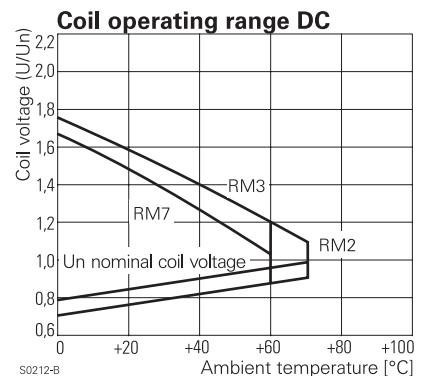
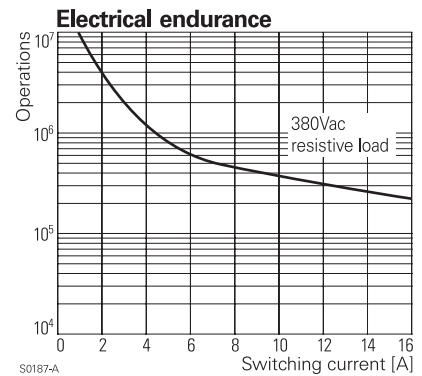
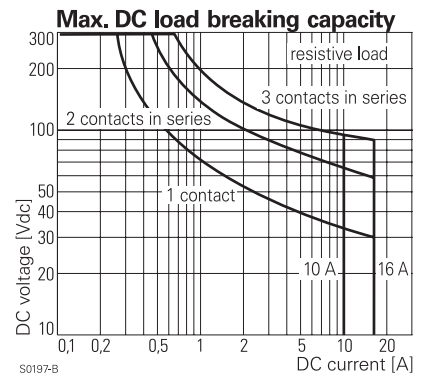
| Coil code  | Nominal voltage | Pull-in voltage | Release voltage | Coil resistance | Coil current |                |             |
|------------|-----------------|-----------------|-----------------|-----------------|--------------|----------------|-------------|
| STD        | LED             | PD*             | LED             | LED             | PD*          |                |             |
| bipolar    | LA6             | LA6             | Vdc             | Vdc             | Vdc          |                |             |
| 006        | L06             | 0A6             | 6               | 4.5             | 0.6          | 32±10%         | 187.5       |
| 012        | L12             | 0B2             | 12              | 9.0             | 1.2          | 110±10%        | 109.1       |
| <b>024</b> | <b>L24</b>      | <b>0C4</b>      | <b>24</b>       | <b>18.0</b>     | <b>2.4</b>   | <b>475±10%</b> | <b>50.5</b> |
| 048        | L48             | 0E8             | 48              | 36.0            | 4.8          | 2000±10%       | 24.0        |
| 060        | L60             | 0G0             | 60              | 45.0            | 6.0          | 2850±10%       | 21.1        |
| 110        | M10             | 1B0             | 110             | 82.5            | 11.0         | 10000±12%      | 11.0        |
| 221        | N21             | 2C1             | 220             | 165.0           | 22.0         | 40000±15%      | 5.5         |

### Coil versions, DC-coil, RM7

| Coil code  | Nominal voltage | Pull-in voltage | Release voltage | Coil resistance | Coil current |            |                |             |
|------------|-----------------|-----------------|-----------------|-----------------|--------------|------------|----------------|-------------|
| 006        | L06             | 0A6             | LA6             | 6               | 4.5          | 0.6        | 24±10%         | 250.0       |
| 012        | L12             | 0B2             | LB2             | 12              | 9.0          | 1.2        | 86±10%         | 139.5       |
| <b>024</b> | <b>L24</b>      | <b>0C4</b>      | <b>LC4</b>      | <b>24</b>       | <b>18.0</b>  | <b>2.4</b> | <b>345±10%</b> | <b>69.6</b> |
| 048        | L48             | 0E8             | LE8             | 48              | 36.0         | 4.8        | 1340±10%       | 35.8        |
| 060        | L60             | 0G0             | LG0             | 60              | 45.0         | 6.0        | 2200±10%       | 27.3        |
| 110        | M10             | 1B0             | MB0             | 110             | 82.5         | 11.0       | 7300±10%       | 15.1        |
| 221        | N21             | 2C1             | NC1             | 220             | 165.0        | 22.0       | 30000±15%      | 7.3         |

All figures are given for coil without preenergization, at ambient temperature +20 °C

\* Protection diode PD; standard polarity: +A1 / -A2



## Power Relay RM 2/3/7

2 / 3 pole 10 / 16 A, DC- or AC-coil

### Coil versions, AC-coil, RM2, RM3

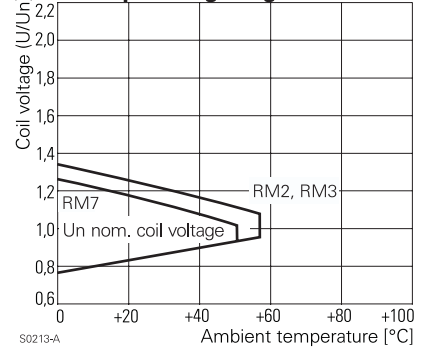
| Coil code  | LED        | Nominal voltage Vac | Pull-in voltage Vac | Release voltage Vac | Coil resistance $\Omega$ | Coil current mA |
|------------|------------|---------------------|---------------------|---------------------|--------------------------|-----------------|
| 506        | R06        | 6                   | 4.8                 | 2.4                 | 5.3±10%                  | 381.7           |
| 512        | R12        | 12                  | 9.6                 | 4.8                 | 24±10%                   | 182.5           |
| <b>524</b> | <b>R24</b> | <b>24</b>           | <b>19.2</b>         | <b>9.6</b>          | <b>86±10%</b>            | <b>94.2</b>     |
| 548        | R48        | 48                  | 38.4                | 19.2                | 345±10%                  | 47.5            |
| 560        | R60        | 60                  | 48.0                | 24.0                | 544±10%                  | 37.8            |
| 615        | S15        | 115                 | 92.0                | 46.0                | 2000±10%                 | 20.6            |
| <b>730</b> | <b>T30</b> | <b>230</b>          | <b>184.0</b>        | <b>92.0</b>         | <b>8300±12%</b>          | <b>10.1</b>     |
| 900        | V00        | 400                 | 320.0               | 160.0               | 27500±15%                | 5.8             |

### Coil versions, AC-coil, RM2, RM3

|            |            |            |              |             |                 |              |
|------------|------------|------------|--------------|-------------|-----------------|--------------|
| 506        | R06        | 6          | 4.8          | 2.4         | 4.7±10%         | 476.7        |
| 512        | R12        | 12         | 9.6          | 4.8         | 19.5±10%        | 225.8        |
| <b>524</b> | <b>R24</b> | <b>24</b>  | <b>19.2</b>  | <b>9.6</b>  | <b>80±10%</b>   | <b>109.2</b> |
| 548        | R48        | 48         | 38.4         | 19.2        | 320±10%         | 54.2         |
| 560        | R60        | 60         | 48.0         | 24.0        | 500±10%         | 43.7         |
| 615        | S15        | 115        | 92.0         | 46.0        | 1850±10%        | 23.0         |
| <b>730</b> | <b>T30</b> | <b>230</b> | <b>184.0</b> | <b>92.0</b> | <b>7500±10%</b> | <b>11.7</b>  |
| 900        | V00        | 400        | 320.0        | 160.0       | 23500±15%       | 6.5          |

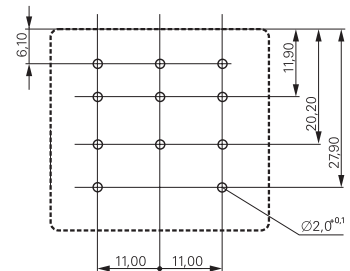
All figures are given for coil without preenergization, at ambient temperature +20 °C

### Coil operating range AC



### PCB layout / terminal assignment

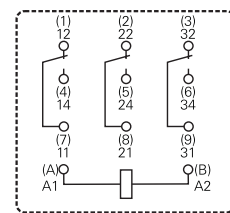
View on solder pins  
Dimensions in mm



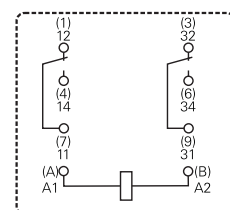
### Insulation

|                                |   |                       |
|--------------------------------|---|-----------------------|
| Dielectric strength            | coil-contacts   | 2500 V <sub>rms</sub> |
|                                | open contact circuit  | 1500 V <sub>rms</sub> |
|                                | adjacent contacts   | 2500 V <sub>rms</sub> |
| Clearance / creepage           | ≥ 3.5 / 6 mm  |                       |
| Insulation to VDE 0110b (2/79) | Insulation category / reference voltage C / 400 with fully isolated Faston connectors |                       |

### 3 C/O contacts



### 2 C/O contacts



### Other data

|  | RM 2   | RM 3         | RM 7         |
|--|--|--------------|--------------|
| Ambient temperature DC-coil                  | -45...+70 °C                                 | -45...+60 °C | -45...+60 °C |
| Ambient temperature AC-coil                  | -45...+55 °C                                 | -45...+55 °C | -45...+50 °C |
| Mechanical life                              | >20x10 <sup>6</sup> operations               |              |              |
| Max. switching rate at rated- / minimum load | 16 min <sup>-1</sup> / 100 min <sup>-1</sup> |              |              |
| Operate- / release time                      | approx. 15 / 10 ms                           |              |              |
| Bounce time                                  | approx. 3 ms                                 |              |              |
| Vibration resistance N/O / N/C contact       | >5 / 2 g                                     | >5 / 2 g     | >12 / 4 g    |
| Category of protection (IEC 61810)           | RT I - dust protected                        |              |              |
| Relay weight                                 | 81 g   |              |              |
| Packaging unit                               | 10 / 25 pcs.                                 |              |              |
| Accessories                                  | see accessories RM                           |              |              |

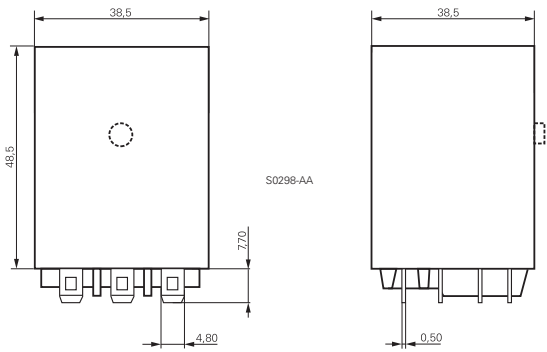
## Power Relay RM 2/3/7

2 / 3 pole 10 / 16 A, DC- or AC-coil

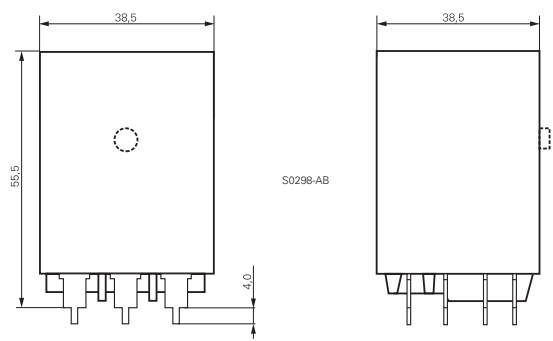
### Dimensions

Dimensions in mm

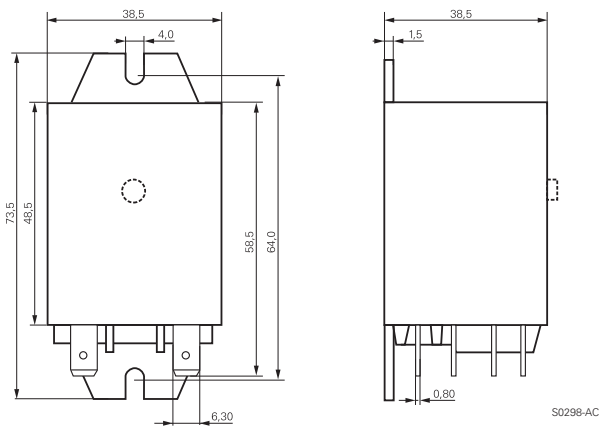
Plain cover, plug-in version



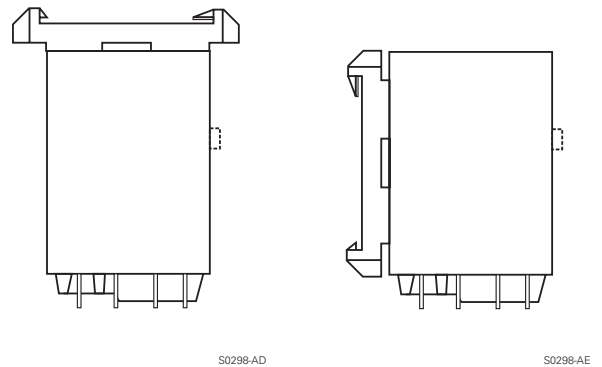
PCB version



Cover with mounting brackets, FASTON 250 (187 available)



Cover with DIN-snap-on attachment (FASTON 250 only)  
horizontal vertical



### Product key

Type

Contacts

**2** 2 C/O contacts, 16 A      **7** 3 C/O contacts, 16 A  
**3** 3 C/O contacts, 10 A

Version

**0** without test button      **3** with test button

Enclosure

**2** plain cover, AMP-Faston 187  
**3** cover with mounting brackets, AMP-Faston 187  
**5** cover with mounting brackets, AMP-Faston 250  
**7** PCB version  
**8** cover with DIN-snap-on attachment, horizontal, AMP-Faston 250  
**9** cover with DIN-snap-on attachment, vertical, AMP-Faston 250

Coil

Coil code: please refer to coil versions table, preferred types in bold print

AMP-Faston 187 = 4.8 x 0.5 mm      AMP-Faston 250 = 6.3 x 0.8 mm

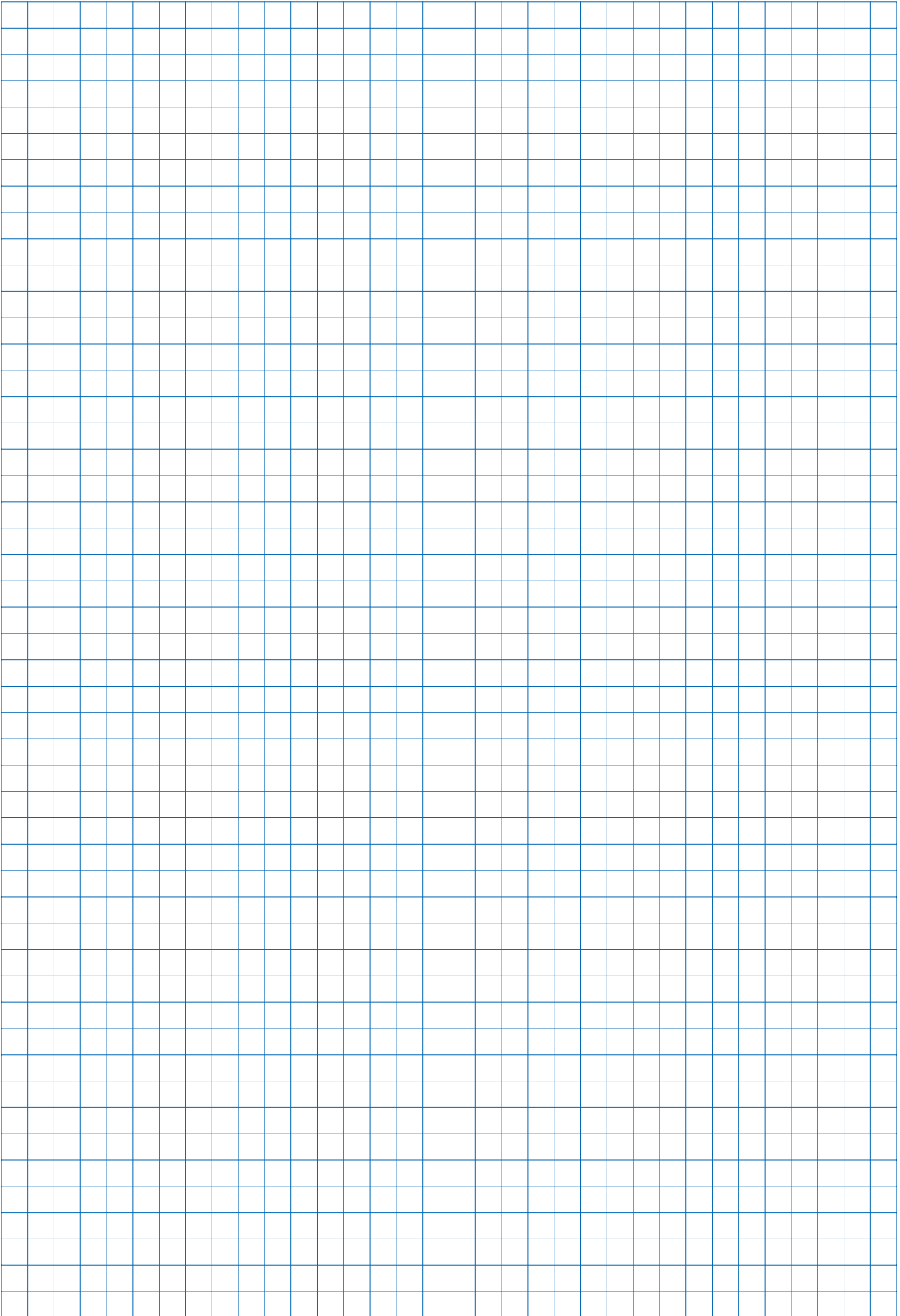


Rights to change data / design reserved

---

# Notice

---



## Power Relay RM 5/6

2 / 3 pole 10 / 16 A, DC- or AC-coil



F0164-A

### Features

- 2 N/O or 3 N/O contacts
- 3 mm contact gap
- Push-to-test-button
- Plug-in version, PCB terminals, chassis- or DIN-rail mount

### Applications

Power supplies, pump control



Technical data of approved types on request

| Contact data                              | RM 5              | RM 6          |
|---|-------------------|---------------|
| Configuration                             | 2 N/O contact     | 3 N/O contact |
| Type of contact                           | single contact    |               |
| Rated current                             | 16 A              | 10 A          |
| Rated voltage / max. breaking voltage AC  | 380 Vac / 440 Vac |               |
| Maximum breaking capacity AC              | 6000 VA           | 3800 VA       |
| Make current (max. 4 s at duty cycle 10%) | 25 A              | 25 A          |
| Contact material                          | AgCdO             |               |

### Coil data

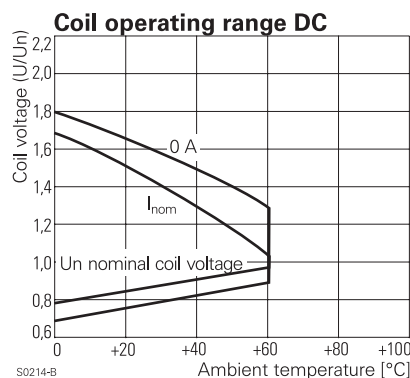
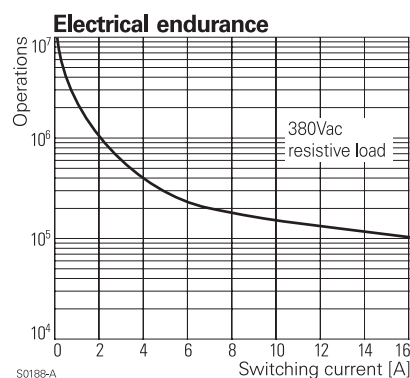
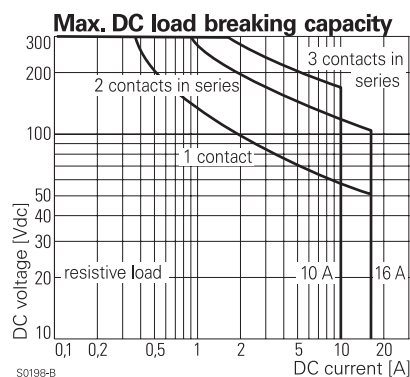
|                    |         |             |
|--------------------|---------|-------------|
| Nominal voltage    | DC coil | 6...220 Vdc |
|                    | AC coil | 6...400 Vac |
| Nominal coil power | DC coil | 1.6 W       |
|                    | AC coil | 2.8 VA      |

### Coil versions, DC-coil, RM5, RM6

| Coil code  | STD        | LED bipolar | LED PD*    | LED PD* | Nominal voltage Vdc | Pull-in voltage Vdc | Release voltage Vdc | Coil resistance $\Omega$      | Coil current mA |
|------------|------------|-------------|------------|---------|---------------------|---------------------|---------------------|-------------------------------|-----------------|
| 006        | L06        | 0A6         | LA6        |         | 6                   | 4.5                 | 0.6                 | 24 $\pm$ 10%                  | 250.0           |
| 012        | L12        | 0B2         | LB2        |         | 12                  | 9.0                 | 1.2                 | 86 $\pm$ 10%                  | 139.5           |
| <b>024</b> | <b>L24</b> | <b>0C4</b>  | <b>LC4</b> |         | <b>24</b>           | <b>18.0</b>         | <b>2.4</b>          | <b>345<math>\pm</math>10%</b> | <b>69.6</b>     |
| 048        | L48        | 0E8         | LE8        |         | 48                  | 36.0                | 4.8                 | 1340 $\pm$ 10%                | 35.8            |
| 060        | L60        | 0G0         | LG0        |         | 60                  | 45.0                | 6.0                 | 2200 $\pm$ 10%                | 27.3            |
| 110        | M10        | 1B0         | MB0        |         | 110                 | 82.5                | 11.0                | 7300 $\pm$ 10%                | 15.1            |
| 221        | N21        | 2C1         | NC1        |         | 220                 | 165.0               | 22.0                | 30000 $\pm$ 15%               | 7.3             |

All figures are given for coil without preenergization, at ambient temperature +20 °C

\* Protection diode PD; standard polarity: +A1 / -A2



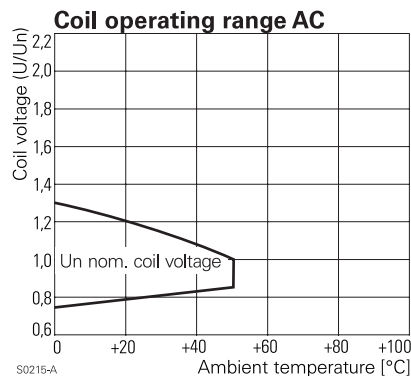
## Power Relay RM 5/6

2 / 3 pole 10 / 16 A, DC- or AC-coil

### Coil versions, AC-coil, RM5, RM6

| Coil code  | Standard   | LED | Nominal voltage Vac | Pull-in voltage Vac | Release voltage Vac | Coil resistance $\Omega$ | Coil current mA |
|------------|------------|-----|---------------------|---------------------|---------------------|--------------------------|-----------------|
| 506        | R06        |     | 6                   | 4.8                 | 2.4                 | 4.7±10%                  | 476.7           |
| 512        | R12        |     | 12                  | 9.6                 | 4.8                 | 19.5±10%                 | 225.8           |
| <b>524</b> | <b>R24</b> |     | <b>24</b>           | <b>19.2</b>         | <b>9.6</b>          | <b>80±10%</b>            | <b>109.2</b>    |
| 548        | R48        |     | 48                  | 38.4                | 19.2                | 320±10%                  | 54.2            |
| 560        | R60        |     | 60                  | 48.0                | 24.0                | 500±10%                  | 43.7            |
| 615        | S15        |     | 115                 | 92.0                | 46.0                | 1850±10%                 | 23.0            |
| <b>730</b> | <b>T30</b> |     | <b>230</b>          | <b>184.0</b>        | <b>92.0</b>         | <b>7500±10%</b>          | <b>11.7</b>     |
| 900        | V00        |     | 400                 | 320.0               | 160.0               | 23500±15%                | 6.5             |

All figures are given for coil without preenergization, at ambient temperature +20°C



### Insulation

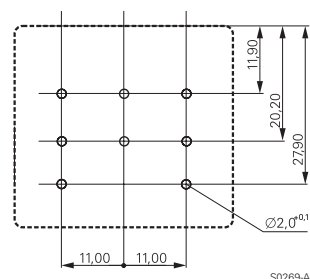
|   |                      |   |
|---|----------------------|---|
| Dielectric strength                     | coil-contacts        | 2500 V <sub>rms</sub>                         |
|   | open contact circuit | 2500 V <sub>rms</sub>                         |
|   | adjacent contacts    | 2500 V <sub>rms</sub>                         |
| Clearance / creepage                    |                      | ≥ 3.5 / 6 mm                                  |
| Insulation to VDE 0110b (2/79)          |                      |   |
| Insulation category / reference voltage |                      | C / 400 with fully isolated Faston connectors |

### Other data

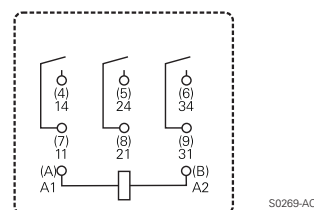
|  |         |  |
|--|---------|--|
| Ambient temperature                          | DC-coil | -45...+60 °C                                 |
|  | AC-coil | -45...+50 °C                                 |
| Mechanical life                              |         | >20x10 <sup>6</sup> operations               |
| Max. switching rate at rated- / minimum load |         | 16 min <sup>-1</sup> / 100 min <sup>-1</sup> |
| Operate- / release time                      |         | approx. 15 / 10 ms                           |
| Bounce time                                  |         | approx. 4 ms                                 |
| Vibration resistance                         |         | >12 g, 30...150 Hz                           |
| Category of protection (IEC 61810)           |         | RT I - dust protected                        |
| Relay weight                                 |         | 81 g   |
| Packaging unit                               |         | 10 / 25 pcs.                                 |
| Accessories                                  |         | see accessories RM                           |

### Printbild/Schaltbild

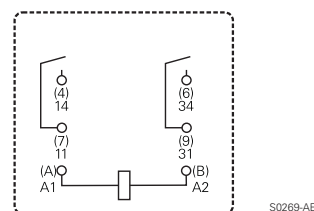
Ansicht auf die Anschlüsse  
Abmessungen in mm



### 3 Schließer



### 2 Schließer



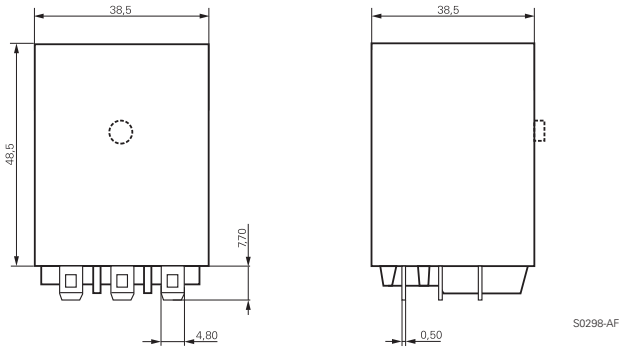
## Power Relay RM 5/6

2 / 3 pole 10 / 16 A, DC- or AC-coil

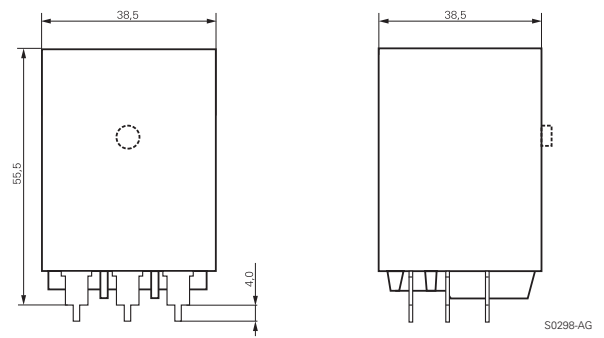
### Dimensions

Dimensions in mm

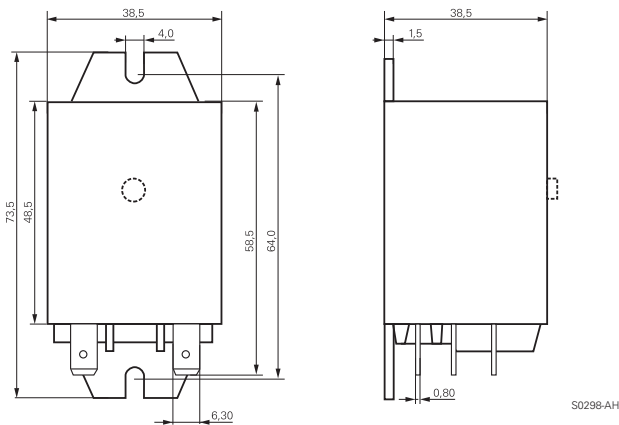
Plain cover, plug-in version



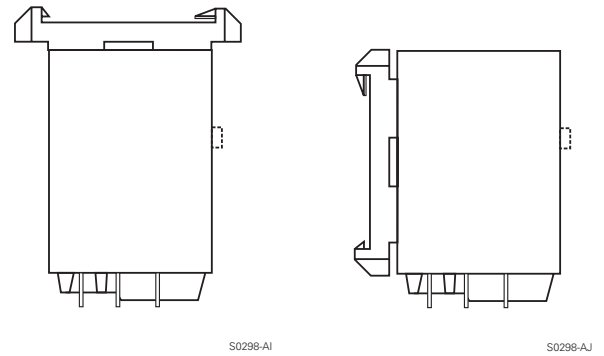
PCB version



Cover with mounting brackets, FASTON 250 (187 available)



Cover with DIN-snap-on attachment (FASTON 250 only)  
horizontal vertical



### Product key

Type

Contacts

**5** 2 N/O contacts, 16 A      **6** 3 N/O contacts, 10 A

Version

**0** without test button, without mechanical indicator  
**3** with test button, without mechanical indicator

Mounting

**2** plain cover, AMP-Faston 187  
**3** cover with mounting brackets, AMP-Faston 187  
**5** cover with mounting brackets, AMP-Faston 250  
**7** PCB version  
**8** cover with DIN-snap-on attachment, horizontal, AMP-Faston 250  
**9** cover with DIN-snap-on attachment, vertical, AMP-Faston 250

Coil

Coil code: please refer to coil versions table, preferred types in bold print

AMP-Faston 187 = 4.8 x 0.5 mm      AMP-Faston 250 = 6.3 x 0.8 mm

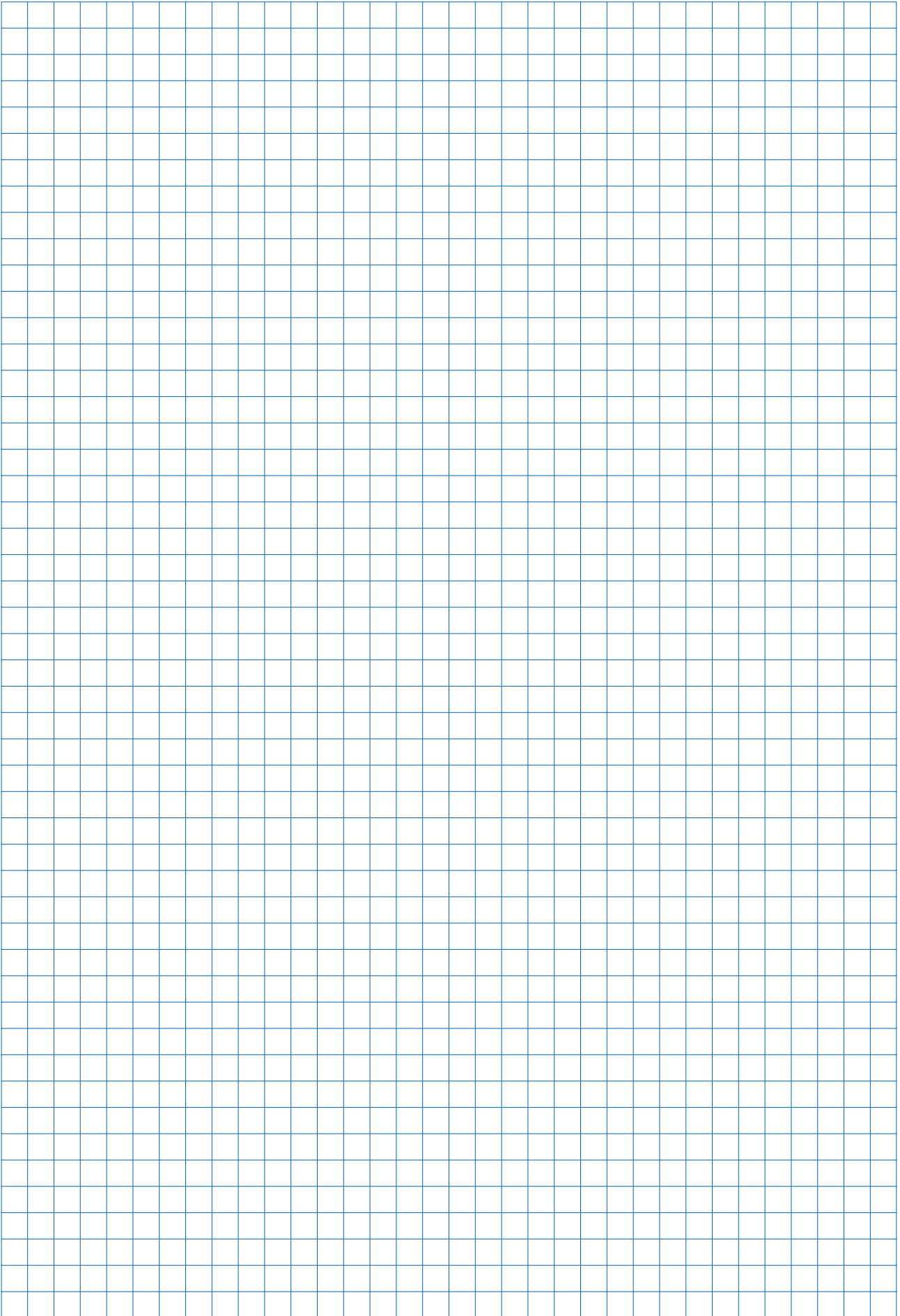


Rights to change data / design reserved

---

# Notice

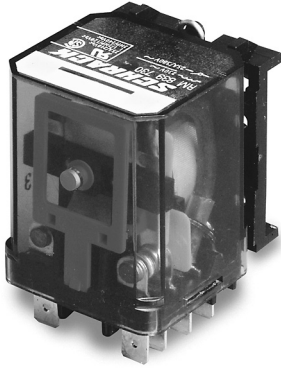
---





## Power Relay RM 8

2 pole 25 A, DC- or AC-coil



F0165-A

### Features

- 2 C/O contacts
- DC- or AC-coil
- Mechanical indicator
- Push-to-test-button
- Chassis- or DIN-rail mount

### Applications

Cleaning equipment, heating and cooling equipment



Technical data of approved types on request

### Contact data

|   |                   |
|---|-------------------|
| Configuration                             | 2 C/O contact     |
| Type of contact                           | single contact    |
| Rated current                             | 25 A              |
| Rated voltage / max.breaking voltage AC   | 250 Vac / 440 Vac |
| Maximum breaking capacity AC              | 6000 VA           |
| Make current (max. 4 s at duty cycle 10%) | 60 A              |
| Contact material                          | AgCdO             |

### Contact ratings

| Type | Load                        | Standard |
|------|-----------------------------|----------|
| RM8  | 2hp, 240 Vac, per contact   | UL 508   |
| RM8  | 1.5hp, 120 Vac, per contact | UL 508   |
| RM8  | 25 A, 240 Vac, per contact  | UL 508   |

### Coil data

|                    |         |             |
|--------------------|---------|-------------|
| Nominal voltage    | DC coil | 6...220 Vdc |
|                    | AC coil | 6...400 Vac |
| Nominal coil power | DC coil | 1.2 W       |
|                    | AC coil | 2.8 VA      |

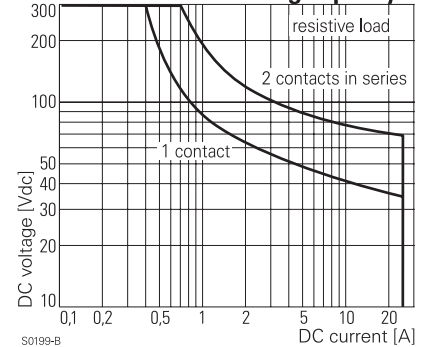
### Coil versions, DC-coil, RM8

| Coil code  | LED        | PD*        | LED        | Nominal voltage | Pull-in voltage | Release voltage | Coil resistance | Coil current |
|------------|------------|------------|------------|-----------------|-----------------|-----------------|-----------------|--------------|
| STD        | bipolar    |            | PD*        | Vdc             | Vdc             | Vdc             | $\Omega$        | mA           |
| 006        | L06        | 0A6        | LA6        | 6               | 4.5             | 0.6             | 32±10%          | 187.5        |
| 012        | L12        | 0B2        | LB2        | 12              | 9.0             | 1.2             | 110±10%         | 109.1        |
| <b>024</b> | <b>L24</b> | <b>0C4</b> | <b>LC4</b> | <b>24</b>       | <b>18.0</b>     | <b>2.4</b>      | <b>475±10%</b>  | <b>50.5</b>  |
| 048        | L48        | 0E8        | LE8        | 48              | 36.0            | 4.8             | 2000±10%        | 24.0         |
| 060        | L60        | 0G0        | LG0        | 60              | 45.0            | 6.0             | 2850±10%        | 21.1         |
| 110        | M10        | 1B0        | MB0        | 110             | 82.5            | 11.0            | 10000±12%       | 11.0         |
| 221        | N21        | 2C1        | NC1        | 220             | 165.0           | 22.0            | 40000±15%       | 5.5          |

All figures are given for coil without preenergization, at ambient temperature +20 °C

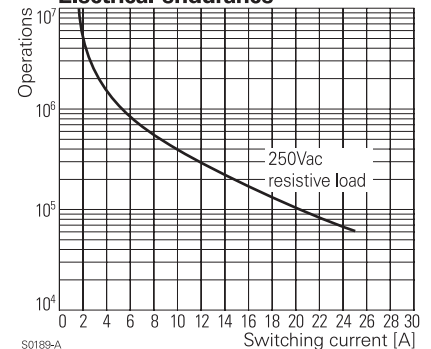
\* Protection diode PD; standard polarity: +A1 / -A2

### Max. DC load breaking capacity



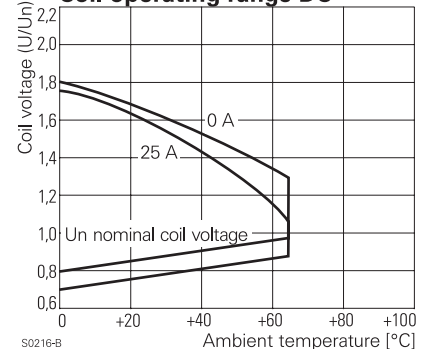
S0199-B

### Electrical endurance



S0189-A

### Coil operating range DC



S0216-B

## Power Relay RM 8

2 pole 25 A, DC- or AC-coil

### Coil versions, AC-coil, RM8

| Coil code  | LED        | Nominal voltage<br>Vac | Pull-in voltage<br>Vac | Release voltage<br>Vac | Coil resistance<br>$\Omega$    | Coil current<br>mA |
|------------|------------|------------------------|------------------------|------------------------|--------------------------------|--------------------|
| 506        | R06        | 6                      | 4.8                    | 2.4                    | 4.7 $\pm$ 10%                  | 476.7              |
| 512        | R12        | 12                     | 9.6                    | 4.8                    | 19.5 $\pm$ 10%                 | 225.8              |
| <b>524</b> | <b>R24</b> | <b>24</b>              | <b>19.2</b>            | <b>9.6</b>             | <b>80<math>\pm</math>10%</b>   | <b>109.2</b>       |
| 548        | R48        | 48                     | 38.4                   | 19.2                   | 320 $\pm$ 10%                  | 54.2               |
| 560        | R60        | 60                     | 48.0                   | 24.0                   | 500 $\pm$ 10%                  | 43.7               |
| 615        | S15        | 115                    | 92.0                   | 46.0                   | 1850 $\pm$ 10%                 | 23.0               |
| <b>730</b> | <b>T30</b> | <b>230</b>             | <b>184.0</b>           | <b>92.0</b>            | <b>7500<math>\pm</math>10%</b> | <b>11.7</b>        |
| 900        | V00        | 400                    | 320.0                  | 160.0                  | 23500 $\pm$ 15%                | 6.5                |

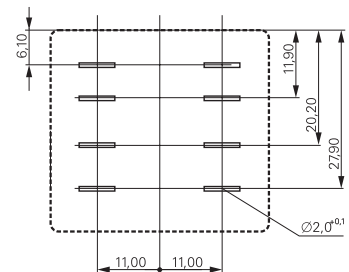
All figures are given for coil without preenergization, at ambient temperature +20 °C

### Insulation

|   |                      |                       |
|---|----------------------|-----------------------|
| Dielectric strength                     | coil-contacts        | 2500 V <sub>rms</sub> |
|   | open contact circuit | 1500 V <sub>rms</sub> |
|   | adjacent contacts    | 4000 V <sub>rms</sub> |
| Clearance / creepage                    | $\geq 2.8 / 4$ mm    |                       |
| Insulation to VDE 0110b (2/79)          |                      |                       |
| Insulation category / reference voltage |                      | C / 250               |

### Terminal assignment

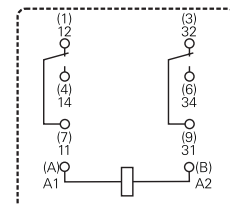
View on solder pins  
Dimensions in mm



S0269-AG

### Other data

|  |  |              |
|--|--|--------------|
| Ambient temperature                          | DC-coil                                      | -45...+65 °C |
|  | AC-coil                                      | -45...+40 °C |
| Mechanical life                              | >10x10 <sup>6</sup> operations               |              |
| Max. switching rate at rated- / minimum load | 16 min <sup>-1</sup> / 100 min <sup>-1</sup> |              |
| Operate- / release time                      | approx. 15 / 15 ms                           |              |
| Bounce time                                  | approx. 3 ms                                 |              |
| Vibration resistance N/O / N/C contact       | >10 / 5 g, 30...150 Hz                       |              |
| Category of protection (IEC 61810)           | RT 1 - dust protected                        |              |
| Relay weight                                 | 81 g   |              |
| Packaging unit                               | 10 / 25 pcs.                                 |              |



S0269-AD

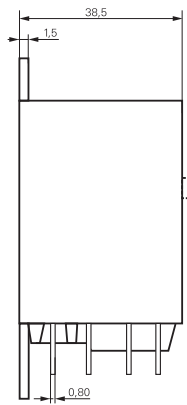
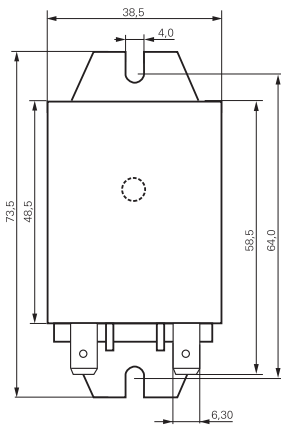
## Power Relay RM 8

2 pole 25 A, DC- or AC-coil

### Dimensions

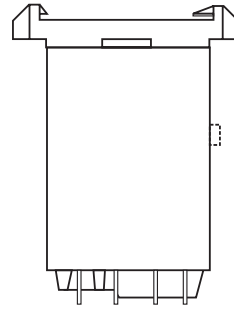
Dimensions in mm

Cover with mounting brackets, FASTON 250



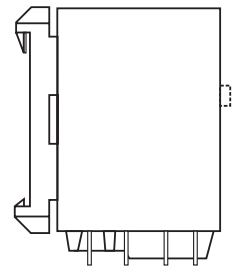
S0298-AC

Cover with DIN-snap-on attachment  
horizontal



S0298-AD

vertical



S0298-AE

### Product key

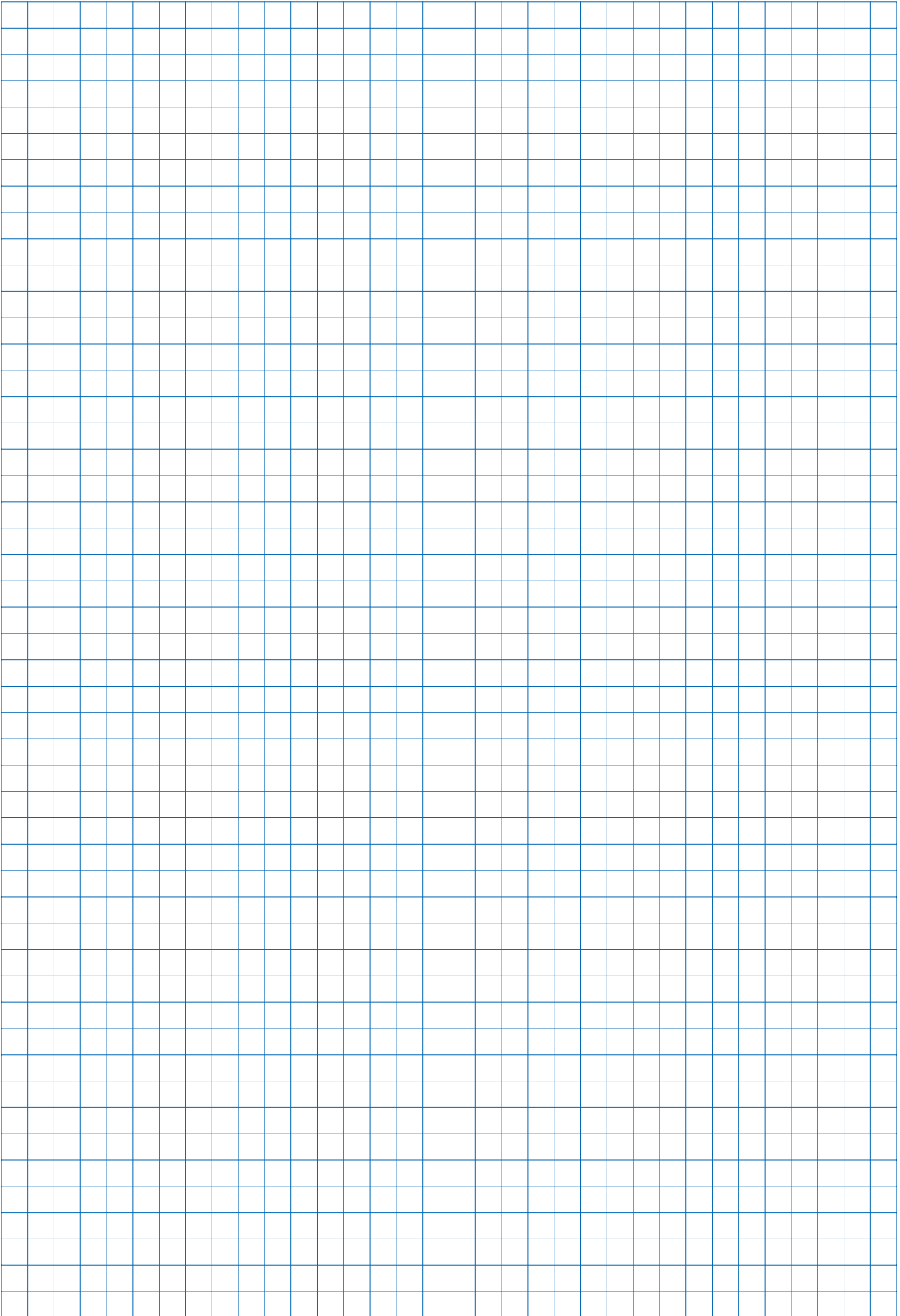
|                               |   |          |   |  |   |  |  |
|-------------------------------|---|----------|---|--|---|--|--|
| Type                          | <b>R</b>  | <b>M</b> | <b>8</b>  |  |   |  |  |
| Contacts                      | 8 2 C/O contacts, 25 A  |          |   |  |   |  |  |
| Version                       | 0 without test button   |          | 3 with test button  |  |   |  |  |
| Mounting                      | 5 cover with mounting brackets, AMP-Faston 250                                |          | 8 cover with DIN-snap-on attachment, horizontal, AMP-Faston 250 |  | 9 cover with DIN-snap-on attachment, vertical, AMP-Faston 250 |  |  |
| Coil                          | Coil code: please refer to coil versions table, preferred types in bold print |          |   |  |   |  |  |
| AMP-Faston 250 = 6.3 x 0.8 mm |   |          |   |  |   |  |  |

Rights to change data / design reserved

---

# Notice

---



## Power Relay RM C/D

1 pole 30 A, DC- or AC-coil



F0166-A

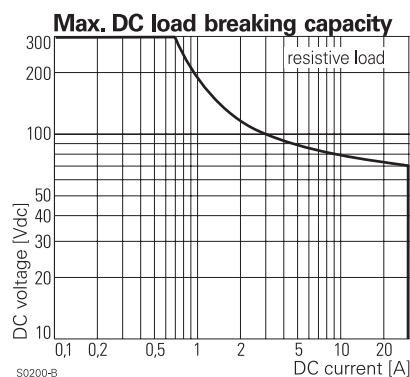
### Features

- 1 N/O or 1 N/O + 1 N/C contact
- Switching capacity up to 7200 VA
- DC- or AC-coil
- Push-to-test-button
- Chassis mount

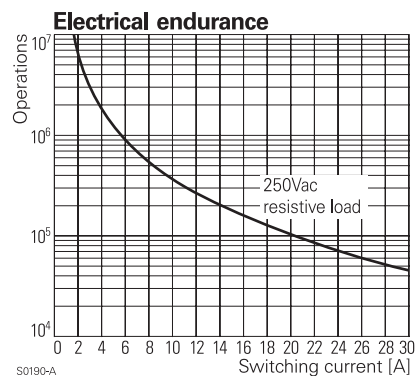
### Applications

Battery chargers, heating control

| Contact data                              | RMC                              | RMD   |
|---|----------------------------------|-------|
| Configuration                             | 1 N/O and 1N/C                   | 1 N/O |
| Type of contact                           | single contact, bridging contact |       |
| Rated current                             | 30 A                             |       |
| Rated voltage / max.breaking voltage AC   | 250 Vac / 380 Vac / 440 Vac      |       |
| Maximum breaking capacity AC              | 7500 VA                          |       |
| Make current (max. 4 s at duty cycle 10%) | 60 A                             |       |
| Contact material                          | AgCdO                            |       |



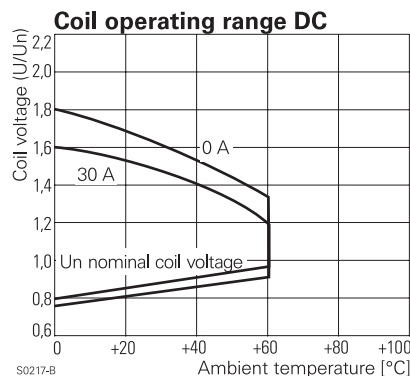
| Coil data          |         |             |
|--------------------|---------|-------------|
| Nominal voltage    | DC coil | 6...220 Vdc |
|                    | AC coil | 6...400 Vac |
| Nominal coil power | DC coil | 1.2 W       |
|                    | AC coil | 2.8 VA      |



| Coil versions, DC-coil, RMC, RMD |            |            |            |           |             |            |                |             |
|----------------------------------|------------|------------|------------|-----------|-------------|------------|----------------|-------------|
| Coil code                        | LED        | PD*        | LED        | Nominal   | Pull-in     | Release    | Coil           | Coil        |
| STD                              | bipolar    |            | PD*        | voltage   | voltage     | voltage    | resistance     | current     |
|                                  |            |            |            | Vdc       | Vdc         | Vdc        | Ω              | mA          |
| 006                              | L06        | 0A6        | LA6        | 6         | 4.5         | 0.6        | 32±10%         | 187.5       |
| 012                              | L12        | 0B2        | LB2        | 12        | 9.0         | 1.2        | 110±10%        | 109.1       |
| <b>024</b>                       | <b>L24</b> | <b>0C4</b> | <b>LC4</b> | <b>24</b> | <b>18.0</b> | <b>2.4</b> | <b>475±10%</b> | <b>50.5</b> |
| 048                              | L48        | 0E8        | LE8        | 48        | 36.0        | 4.8        | 2000±10%       | 24.0        |
| 060                              | L60        | 0G0        | LG0        | 60        | 45.0        | 6.0        | 2850±10%       | 21.1        |
| 110                              | M10        | 1B0        | MB0        | 110       | 82.5        | 11.0       | 10000±12%      | 11.0        |
| 221                              | N21        | 2C1        | NC1        | 220       | 165.0       | 22.0       | 40000±15%      | 5.5         |

All figures are given for coil without preenergization, at ambient temperature +20 °C

\* Protection diode PD; standard polarity: +A1 / -A2



## Power Relay RM C/D

1 pole 30 A, DC- or AC-coil

### Coil versions, AC-coil, RMC, RMD

| Coil code  | LED        | Nominal voltage<br>Vac | Pull-in voltage<br>Vac | Release voltage<br>Vac | Coil resistance<br>$\Omega$ | Coil current<br>mA |
|------------|------------|------------------------|------------------------|------------------------|-----------------------------|--------------------|
| <b>524</b> | <b>R24</b> | <b>24</b>              | <b>19.2</b>            | <b>9.6</b>             | <b>80±10%</b>               | <b>109.2</b>       |
| 548        | R48        | 48                     | 38.4                   | 19.2                   | 320±10%                     | 54.2               |
| 560        | R60        | 60                     | 48.0                   | 24.0                   | 500±10%                     | 43.7               |
| 615        | S15        | 115                    | 92.0                   | 46.0                   | 1850±10%                    | 23.0               |
| <b>730</b> | <b>T30</b> | <b>230</b>             | <b>184.0</b>           | <b>92.0</b>            | <b>7500±10%</b>             | <b>11.7</b>        |
| 900        | V00        | 400                    | 320.0                  | 160.0                  | 23500±15%                   | 6.5                |

All figures are given for coil without preenergization, at ambient temperature +20 °C

### Insulation

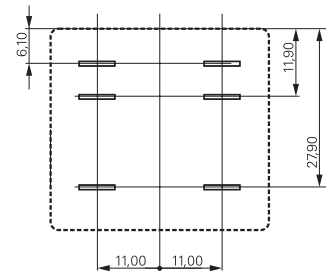
|   |                      |                       |
|---|----------------------|-----------------------|
| Dielectric strength                     | coil-contacts        | 2500 V <sub>rms</sub> |
|   | open contact circuit | 1500 V <sub>rms</sub> |
|   | adjacent contacts    | 4000 V <sub>rms</sub> |
| Clearance / creepage                    |                      | ≥ 2.8 / 4 mm          |
| Insulation to VDE 0110b (2/79)          |                      |                       |
| Insulation category / reference voltage |                      | C / 250               |

### Other data

|  |         |  |
|--|---------|--|
| Ambient temperature                          | DC-coil | -45...+60 °C                                 |
|  | AC-coil | -45...+40 °C                                 |
| Mechanical life                              |         | >10x10 <sup>6</sup> operations               |
| Max. switching rate at rated- / minimum load |         | 16 min <sup>-1</sup> / 100 min <sup>-1</sup> |
| Operate- / release time                      |         | approx. 17 / 18 ms                           |
| Bounce time                                  |         | approx. 4 ms                                 |
| Vibration resistance N/O / N/C contact       |         | >10 / 5 g, 30...150 Hz                       |
| Category of protection (IEC 61810)           |         | RT 1 - dust protected                        |
| Relay weight                                 |         | 81 g   |
| Packaging unit                               |         | 10 pcs.                                      |

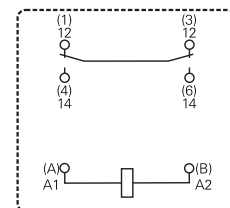
### Terminal assignment

View on solder pins  
Dimensions in mm



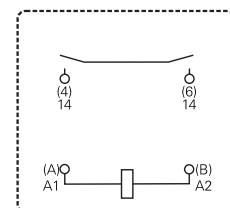
S0269-AK

1 N/O and 1 N/C contact, RMC



S0269-AH

1 N/O contact, RMD



S0269-AI

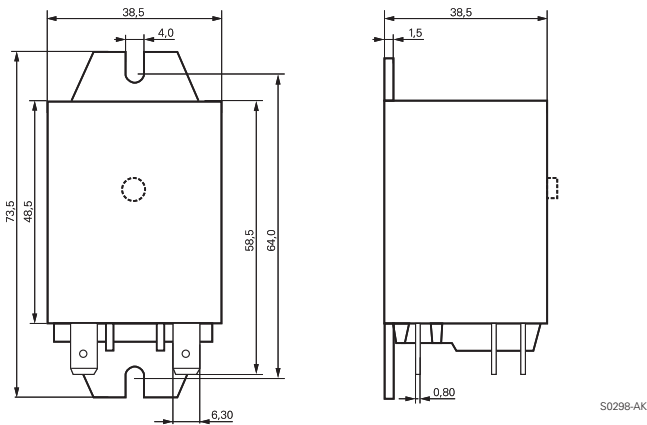
## Power Relay RM C/D

1 pole 30 A, DC- or AC-coil

### Dimensions

Dimensions in mm

Cover with mounting brackets, FASTON 250



### Product key

**R** **M**   **5**

Type

Contacts

**C** 1 N/O contact and 1 N/C contact, 30 A

**D** 1 N/O contact, 30 A

Version

**0** without test button      **3** with test button

Mounting

**5** cover with mounting brackets, AMP-Faston 250

Coil

Coil code: please refer to coil versions table, preferred types in bold print

AMP-Faston 250 = 6.3 x 0.8 mm

Rights to change data / design reserved