

## Features

1 & 2 pole relay interface modules,  
screw terminal socket, 15.8 mm wide.

Ideal interface for PLC and electronic systems

4C.01 - 1 Pole 16 A

4C.02 - 2 Pole 8 A

- AC coils or DC coils
- Instant ejection of relay using plastic retaining clip
- Supply status indication and coil suppression module as standard
- Identification label
- UL Listing (certain relay/socket combinations)
- 35 mm rail (EN 50022) mounting

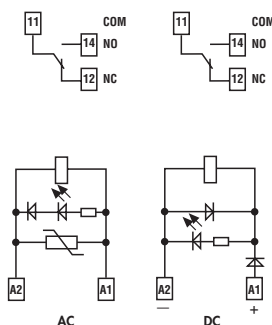
4C.01 / 4C.02  
Screw terminal



### 4C.01



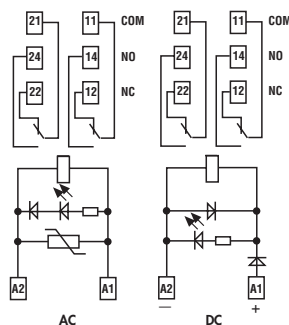
- 1 pole, 16 A
- Screw terminal connection
- 35 mm rail (EN 50022) mounting



### 4C.02



- 2 pole, 8 A
- Screw terminal connection
- 35 mm rail (EN 50022) mounting



For outline drawing of 4C.01/02 see page 5

#### Contact specification

|                                              |             |             |
|----------------------------------------------|-------------|-------------|
| Contact configuration                        | 1 CO (SPDT) | 2 CO (DPDT) |
| Rated current/Maximum peak current A         | 16/25       | 8/15        |
| Rated voltage/Maximum switching voltage V AC | 250/440     | 250/440     |
| Rated load AC1 VA                            | 4000        | 2000        |
| Rated load AC15 (230 V AC) VA                | 750         | 350         |
| Single phase motor rating (230 V AC) kW      | 0.55        | 0.37        |
| Breaking capacity DC1: 30/110/220V A         | 16/0.5/0.15 | 6/0.5/0.15  |
| Minimum switching load mW (V/mA)             | 300 (5/5)   | 300 (5/5)   |
| Standard contact material                    | AgNi        | AgNi        |

#### Coil specification

|                                |                 |                           |                           |
|--------------------------------|-----------------|---------------------------|---------------------------|
| Nominal voltage ( $U_N$ )      | V AC (50/60 Hz) | 12 - 24 - 110 - 120 - 230 | 12 - 24 - 110 - 120 - 230 |
|                                | V DC            | 12 - 24 - 125             | 12 - 24 - 125             |
| Rated power AC/DC VA (50 Hz)/W |                 | 1.2/0.5                   | 1.2/0.5                   |
| Operating range                | AC              | $(0.8...1.1)U_N$          | $(0.8...1.1)U_N$          |
|                                | DC              | $(0.73...1.1)U_N$         | $(0.73...1.1)U_N$         |
| Holding voltage AC/DC          |                 | $0.8 U_N / 0.4 U_N$       | $0.8 U_N / 0.4 U_N$       |
| Must drop-out voltage AC/DC    |                 | $0.2 U_N / 0.1 U_N$       | $0.2 U_N / 0.1 U_N$       |

#### Technical data

|                                                       |        |                                        |                        |
|-------------------------------------------------------|--------|----------------------------------------|------------------------|
| Mechanical life AC/DC                                 | cycles | $10 \cdot 10^6$                        | $10 \cdot 10^6$        |
| Electrical life at rated load AC1                     | cycles | $100 \cdot 10^3$                       | $100 \cdot 10^3$       |
| Operate/release time                                  | ms     | 15/5 (AC) - 15/12 (DC)                 | 10/3 (AC) - 10/10 (DC) |
| Insulation between coil and contacts (1.2/50 $\mu$ s) | kV     | 6 (8 mm)                               | 6 (8 mm)               |
| Dielectric strength between open contacts             | V AC   | 1000                                   | 1000                   |
| Ambient temperature range                             | °C     | $\leq 12A: -40...+70 > 12A: -40...+50$ | $-40...+70$            |
| Protection category                                   |        | IP 20                                  | IP 20                  |

#### Approvals - relay (according to type)



## Features

1 & 2 pole relay interface modules,  
screwless terminal socket, 15.8 mm wide.

Ideal interface for PLC and electronic systems

4C.51 - 1 Pole 10 A

4C.52 - 2 Pole 8 A

- AC coils or DC coils
- Instant ejection of relay using plastic retaining clip
- Supply status indication and coil suppression module as standard
- Identification label
- UL Listing (certain relay/socket combinations)
- 35 mm rail (EN 50022) mounting

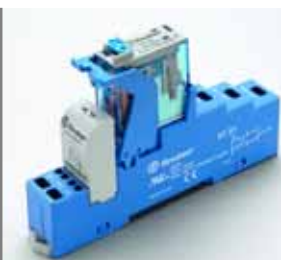
4C.51 / 4C.52  
Screwless terminal



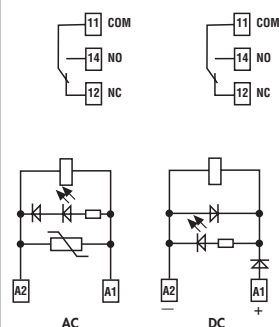
For outline drawing of 4C.51/52 see page 5

| Contact specification                                 |                 | 4C.51                     | 4C.52                     |
|-------------------------------------------------------|-----------------|---------------------------|---------------------------|
| Contact configuration                                 |                 | 1 CO (SPDT)               | 2 CO (DPDT)               |
| Rated current/Maximum peak current                    | A               | 10/20                     | 8/15                      |
| Rated voltage/Maximum switching voltage               | V AC            | 250/440                   | 250/440                   |
| Rated load AC1                                        | VA              | 2500                      | 2000                      |
| Rated load AC15 (230 V AC)                            | VA              | 750                       | 350                       |
| Single phase motor rating (230 V AC)                  | kW              | 0.55                      | 0.37                      |
| Breaking capacity DC1: 30/110/220V                    | A               | 10/0.5/0.15               | 6/0.5/0.15                |
| Minimum switching load                                | mW (V/mA)       | 300 (5/5)                 | 300 (5/5)                 |
| Standard contact material                             |                 | AgNi                      | AgNi                      |
| Coil specification                                    |                 | 4C.51                     | 4C.52                     |
| Nominal voltage ( $U_N$ )                             | V AC (50/60 Hz) | 12 - 24 - 110 - 120 - 230 | 12 - 24 - 110 - 120 - 230 |
|                                                       | V DC            | 12 - 24 - 125             | 12 - 24 - 125             |
| Rated power AC/DC                                     | VA (50 Hz)/W    | 1.2/0.5                   | 1.2/0.5                   |
| Operating range                                       | AC              | $(0.8 \dots 1.1) U_N$     | $(0.8 \dots 1.1) U_N$     |
|                                                       | DC              | $(0.73 \dots 1.1) U_N$    | $(0.73 \dots 1.1) U_N$    |
| Holding voltage                                       | AC/DC           | $0.8 U_N / 0.4 U_N$       | $0.8 U_N / 0.4 U_N$       |
| Must drop-out voltage                                 | AC/DC           | $0.2 U_N / 0.1 U_N$       | $0.2 U_N / 0.1 U_N$       |
| Technical data                                        |                 | 4C.51                     | 4C.52                     |
| Mechanical life AC/DC                                 | cycles          | $10 \cdot 10^6$           | $10 \cdot 10^6$           |
| Electrical life at rated load AC1                     | cycles          | $100 \cdot 10^3$          | $100 \cdot 10^3$          |
| Operate/release time                                  | ms              | 15/5 (AC) - 15/12 (DC)    | 10/3 (AC) - 10/10 (DC)    |
| Insulation between coil and contacts (1.2/50 $\mu$ s) | kV              | 6 (8 mm)                  | 6 (8 mm)                  |
| Dielectric strength between open contacts             | V AC            | 1000                      | 1000                      |
| Ambient temperature range                             | °C              | -25...+70                 | -25...+70                 |
| Protection category                                   |                 | IP 20                     | IP 20                     |
| Approvals - relay (according to type)                 |                 |                           |                           |

4C.51



- 1 pole, 10 A
- Screwless terminal connections
- 35 mm rail (EN 50022) mounting



4C.52



- 2 pole, 8 A
- Screwless terminal connections
- 35 mm rail (EN 50022) mounting

