Sockets

Plug-in modules

Retaining clip

DIN-Rail mountable

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# Sockets - ES15 series

## Technical data

**1. Function**
Plug-in sockets for mounting miniature power relays series
RM (all Sockets) and RA (ES15/4N only) on DIN-Rail TS 35. Complementary plug-in slot for additional modules and retaining clip.

**2. Mechanical design**
Self-extinguishing plastic housing
Mounted on DIN-Rail TS 35 according to EN 60715
Mounting position: any
Shockproof terminal connection according to VBG4 (Philips Gr.1 required), IP rating IP20
Initial torque: 0.7Nm
Terminal capacity:
    1 x 0.5 to 2.5mm² with/without multicore cable end
    1 x 4mm² without multicore cable end
    2 x 0.5 to 1.5mm² with/without multicore cable ends
    2 x 2.5mm² flexible without multicore cable ends

**3. Electrical data**
Rated voltage: 300VAC
Overvoltage resistance: >3000V

**4. Ambient conditions**
Ambient temperature: -40°C to 85°C
Relative humidity: 15% to 85%

**5. Montage**
After fixing the socket on DIN rail the optional retaining clip has to be fixed on the socket. Next the optional plug-in module has to be inserted. At last the relay can be placed and locked by the relaining clip.

**6. Plug-in modules**

| Modul | Function |
|---|---|
| M21P | recovery diode 6-220VDC (+A2, -A1) |
| M21N | recovery diode 6-220VDC (-A2, +A1) |
| M31R | LED and recovery diode 6-24VDC (+A2, -A1) |
| M41R | LED and recovery diode 6-24VDC (-A2, +A1) |
| M53 | RC-element 110-230VAC |
| M61R | LED 6-24V AC/DC |
| M71 | Varistor 24VAC/DC |
| M73 | Varistor 230VAC/DC |
| M63R | LED 110-230V AC/DC |
| M93G | Varistor and LED 110VAC to 230VAC |
| Type 102 | Leakage resistance 110VAC to 230VAC |

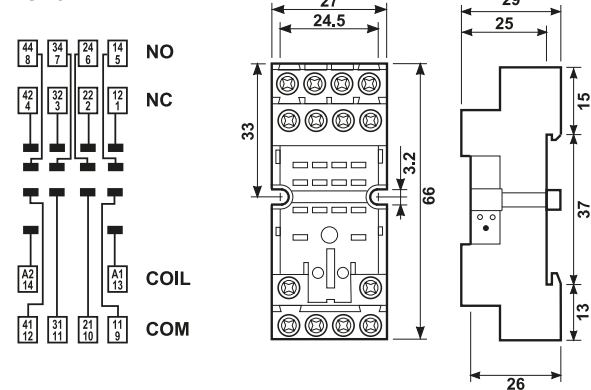**7. Retaining clip**
HB/ES15        Plastic clip
HB/RM-RA       Metal clip
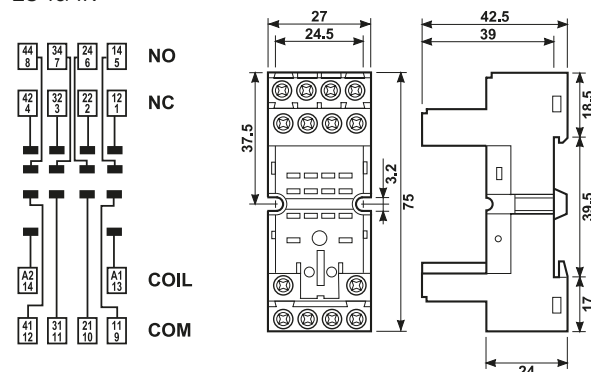
**8. Designation label**
Included.

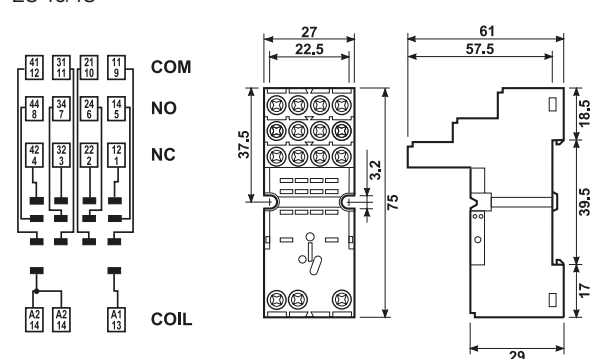**9. Connections and dimensions**
ES 15/4B



ES 15/4N



ES 15/4S

# Sockets - RSS214 series

# Technical data

## 1. Function
Plug-in socket for mounting miniature power relays series
RM and RA on DIN-Rail TS 35. Complementary plug-in slot for additional modules and retaining clip.

## 2. Mechanical design
Self-extinguishing plastic housing
Mounted on DIN-Rail TS 35 according to EN 60715
Mounting position: any
Shockproof terminal connection according to VBG4 (Philips Gr.1),
IP rating IP20
Initial torque: 0.7Nm
Terminal capacity:
    1 x 0.5 to 2.5mm² with/without multicore cable end
    1 x 4mm² without multicore cable end
    2 x 0.5 to 1.5mm² with/without multicore cable end
    2 x 2.5mm² flexibel without multicore cable end

## 3. Electrical data
Rated voltage: 300VAC
Overvoltage resistance: >3000V

## 4. Ambient conditions
Ambient temperature: -25°C to 100°C
Relative humidity: 15% to 85%

## 5. Mounting
After fixing the socket on DIN rail the retaining clip has to be fixed on the socket. Next the optional plug-in module has to be inserted. At last the relay can be placed and locked by the retaining clip.

## 6. Plug-in modules

| Modul | Function |
|---|---|
| EM03 | RC-element 110-230VAC |
| EM04 | Varistor 24VAC |
| EM05 | Varistor 230VAC |
| EM10 | LED 110-230V AC |
| EM11 | LED 6-24V AC/DC |
| EM12 | LED+Diode 6-24V DC (+A1) |

## 7. Retaining clip
HB/RSS214      Metal clip

## 8. Designation label
Included
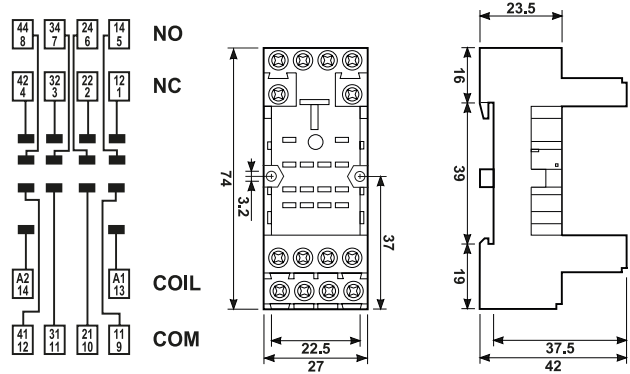
## 9. Connections and dimensions

Subject to alterations and errors