# 4.0 Sockets

# S2-B

## Socket for 8-pin standard relay according to IEC 67-I-5B

| | |
|---|---|
| **Type** | **S2-B**<br>2-pole, 1 connection level<br>Coding ring optional<br>Integrated retaining clip and labelling space |
| **Rated current** | **10 A** |

**Specifications**

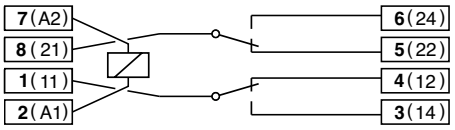
| | |
|---|---|
| Rated load | 10 A / 300 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C2 |
| Labelling space | detachable |
| Connection label | 1...8; DIN/EN |
| Mounting | DIN rail T35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 48g |

| | |
|---|---|
| **Associated, plug-in 8-pin MRC relays** | **C2-A, C2-G, C2-T** |
| Suitable for holding the Releco coding ring | |
| For coding the relay and the socket. | |

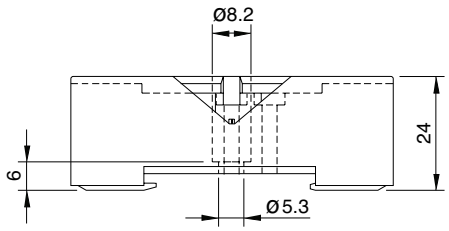
**Accessories**

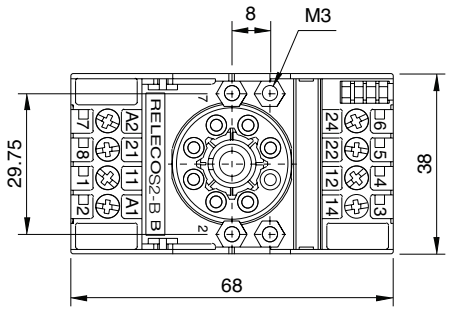
| | |
|---|---|
| Coding ring, blue set: | **S2-BC**<br>Packaging unit: 5 pcs |
| Retaining spring, steel | **S3-C, S3-CT** (with Timecube) |
| Retaining clip, plastic | **CP-15B** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S20-B

## Socket for 8-pin standard relay according to IEC 60067

| | |
|---|---|
| **Type** | **S20-B**<br>2-pole, 1 connection level<br>Integrated retaining clip and labelling space |
| **Rated current** | **10 A** |

**Specifications**

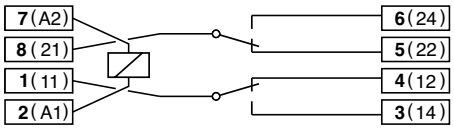
| | |
|---|---|
| Rated load | 10 A / 300 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 2,5 $mm^2$ or 2 x 1,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C20 |
| Labelling space | detachable |
| Connection label | 1...8; DIN/EN |
| Mounting | DIN rail T35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 48 g |

| | |
|---|---|
| **Associated, plug-in 8-pin relays** | **C20-A** |

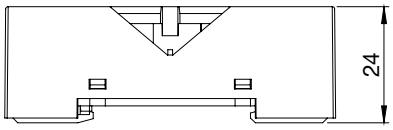
**Accessories**

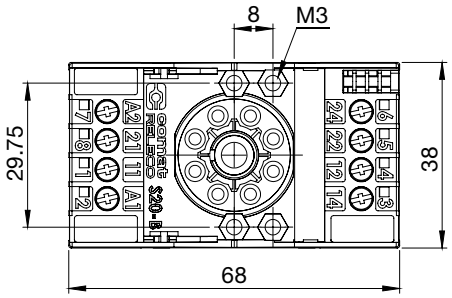
| | |
|---|---|
| Retaining spring, steel | **HF-32, HF-33** (with Timecube) |
| Retaining clip, plastic | **S30-CM** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1

# S2-L, S2-P, S2-PO

## Socket for PCB and soldering according to IEC 67-I-5b for relays C2-...

| | |
|---|---|
| **Type** | **S2-L**<br>2-pole, flange panel mountable<br><br>**S2-P**<br>2-pole, printed circuit<br><br>**S2-PO**<br>2-pole, printed circuit with flange |
| **Rated current** | **10 A** |

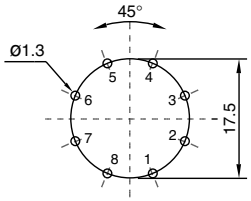
**Specifications**

| | |
|---|---|
| Rated load | 10 A / 300 V |
| Insulation | test voltage Vrms / 1min |
| Between terminals | 2,5 kV |
| Connection label | 1...8; DIN/EN |
| Ambient temperature operation/storage | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 17g |

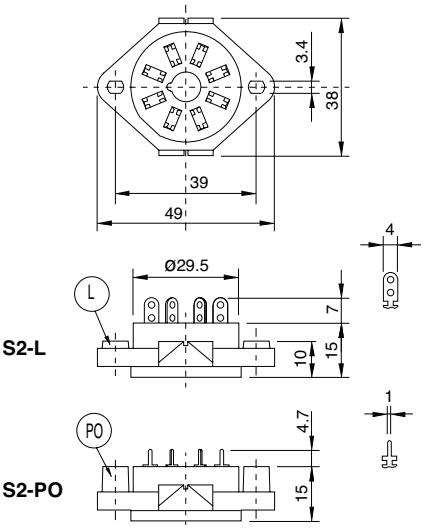
**Accessories**

| | |
|---|---|
| Retaining spring, steel | **S3-C** |

### Printed cicuit lay-out [mm]




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S3-B

## Socket for 11-pin standard relay according to IEC 67-I-18b

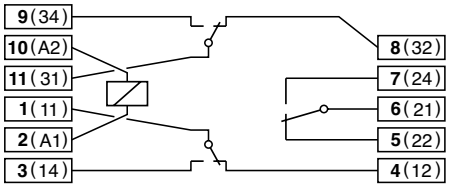
| | |
|---|---|
| **Type** | **S3-B**<br>3-pole, 1 connection level<br>Coding ring optional<br>Integrated retaining clip and labelling space |
| **Rated current** | **10 A** |

| **Specifications** | |
|---|---|
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C3 |
| Labelling space | detachable |
| Connection label | 1… 11; DIN/EN |
| Mounting | DIN rail T35 or mounting plate |
| Ambient temperature | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 55g |

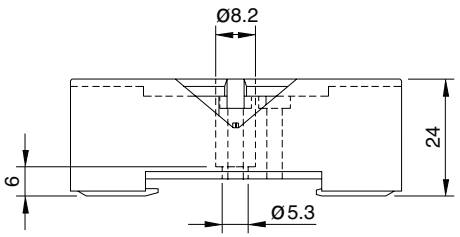
| | |
|---|---|
| **Associated, plug-in 11-pin MRC relays**<br>Suitable for holding the Releco coding ring<br>For coding the relay and the socket. | **C3-A, C3-G, C3-T, C3-X, C3-M, C3-R, C3-E, C3-N, C3-S** |

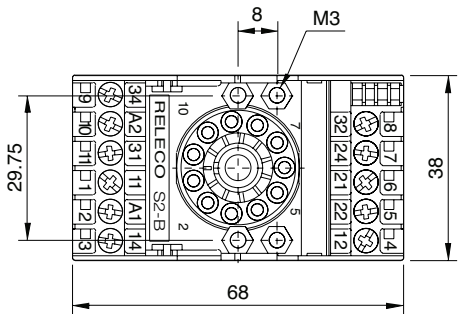
| **Accessories** | |
|---|---|
| **Coding ring, blue set:** | **S3-BC**<br>Packaging unit: 5 pcs |
| Retaining spring, steel | **S3-C, S3-CT** (with Timecube) |
| Retaining clip, plastic | **CP-15B** |

### Connection diagram




### Dimensions [mm]



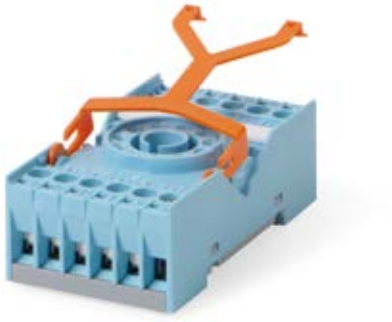

### Technical approvals, conformities

EN 60947-1, EN 61810-1

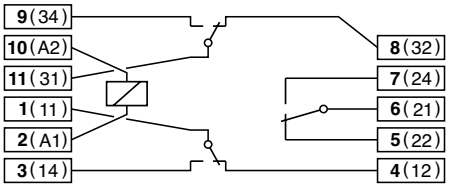
# S30-B

## Socket for 11-pin standard relay according to IEC 60067

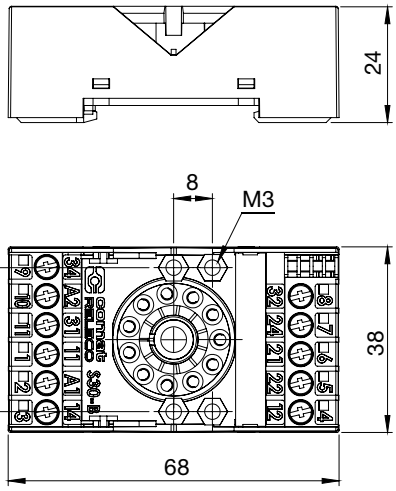
| | |
|---|---|
| **Type** | **S30-B**<br>3-pole, 1 connection level<br>Integrated retaining clip and labelling space |
| **Rated current** | **10 A** |
| **Specifications** | |
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 2,5 $mm^2$ or 2 x 1,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C30 |
| Labelling space | detachable |
| Connection label | 1… 11; DIN/EN |
| Mounting | DIN rail T35 or mounting plate |
| Ambient temperature | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 55 g |
| **Associated, plug-in 11-pin relays** | **C30-A, C30-M, C30-T, C30-R, C30-X** |
| **Accessories** | |
| Retaining spring, steel | **HF-32, HF-33** (with Timecube) |
| Retaining clip, plastic | **S30-CM** |



### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1



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# S3-MP

## Socket for 11-pin standard relay according to IEC 67-I-18b

| | |
|---|---|
| **Type** | **S3-MP**<br>3-pole, 1 connection level<br>Integrated retaining clip and labelling space<br>Accepts plug-in modules M3P in parallel with the coil |
| **Rated current** | **10 A** |

**Specifications**

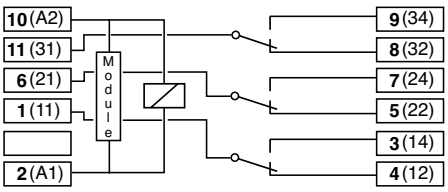
| | |
|---|---|
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C3 |
| Labelling space | detachable |
| Connection label | 1...11; DIN/EN |
| Mounting | DIN rail T35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 54g |

| | |
|---|---|
| **Associated, plug-in 11-pin MRC relays** | **C3-A, C3-G, C3-T, C3-X, C3-M, C3-R, C3-E, C3-N, C3-S** |
| Suitable for holding the Releco coding ring | |
| For coding the relay and the socket. | |

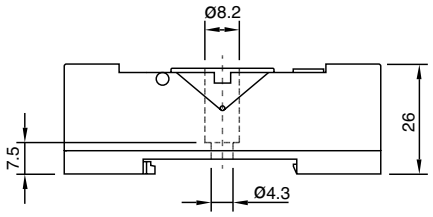
**Accessories**

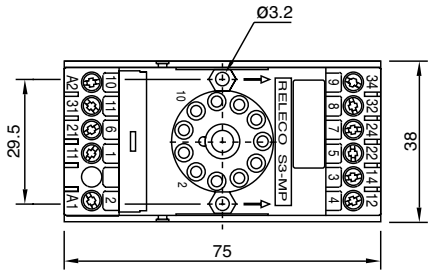
| | |
|---|---|
| Coding ring, blue set: | **S3-BC**<br>Packaging unit: 5 pcs |
| Paralel module | **M3P** |
| Retaining spring, steel | **S3-C, S3-CT** (with Timecube) |
| Retaining clip, plastic | **CP-15B** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1

# S3-S

## Socket for 11-pin standard relay according to IEC 67-I-18b

| | |
|---|---|
| **Type** | **S3-S**<br>3-pole, 2 connection level<br>Coding ring optional<br>Integrated retaining clip and labelling space |
| **Rated current** | **10 A** |

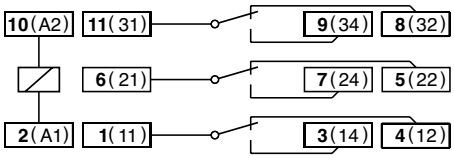
| **Specifications** | |
|---|---|
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 1,2 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C3 |
| Labelling space | detachable |
| Connection label | 1...11; DIN/EN |
| Mounting | DIN rail T35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 69g |

| | |
|---|---|
| **Associated, plug-in 11-pin MRC relays** | **C3-A, C3-G, C3-T, C3-X, C3-M, C3-R, C3-E, C3-N, C3-S** |
| Suitable for holding the Releco coding ring | |
| For coding the relay and the socket. | |

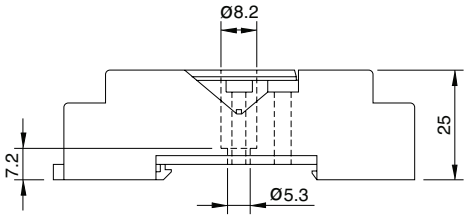
DIN rail or panel mounting. Removable label.
EN /DIN and sequencial numbering. According to EN 60947.1 and IEC 61810.1

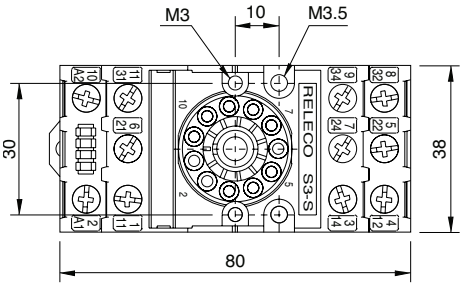
| **Accessories** | |
|---|---|
| Coding ring, Set red: | **S3-BC**<br>Packaging unit: 5 pcs |
| Retaining spring, steel | **S3-C, S3-CT** (with Timecube) |
| Retaining clip, plastic | **CP-15B** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1



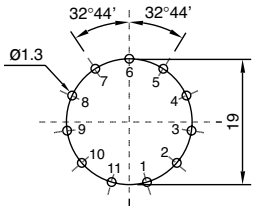
This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S3-L, S3-P, S3-PO

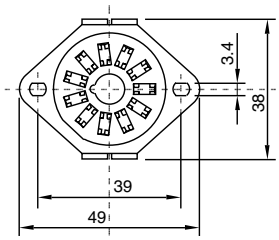
## Socket for PCB and soldering, according to IEC 67-I-5b for relays C3-...

| | |
|---|---|
| **Type** | **S3-L**<br>3-pole, flange panel mountable<br><br>**S3-PO**<br>3-pole, printed circuit with flange |
| **Rated current** | **10 A** |
| **Specifications** | |
| Rated load | 10 A / 250 V |
| Dielectric strength adjacent pin | 2.5 kV |
| Weight | 17g |
| **Accessories** | |
| Retaining spring, steel | **S3-C** |

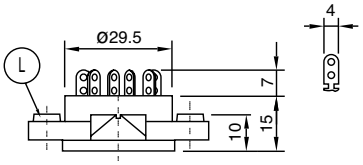
### Printed cicuit lay-out [mm]



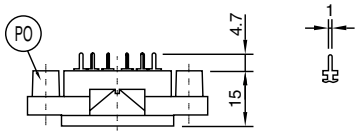

### Dimensions [mm]




S3-L




S3-PO




### Technical approvals, conformities

EN 60947-1, EN 61810-1

# C12B0

## Socket for 11 pin plug-in relays C3, C31, C32 and plug-in control modules

| | |
|---|---|
| **Type:** | **C12B0 R**<br>3-pole, 1 level<br>Module slot for timer- and monitoring modules, over voltage suppressing- and LED indicator modules<br>coil bridge bus bar to connect in A2 |
| **Rated current** | **10 A** |

**Specifications**

| | |
|---|---|
| Rated load | 10 A / 400 V (cURus: 250 V) |
| Insulation | Test voltage Vrms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 1 x 6 $mm^2$, 2 x 1,5 $mm^2$ |
| – Multi-wire | 1 x 4 $mm^2$/AWG12, 2 x 1,5 $mm^2$/AWG16 |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Labelling space | detachable |
| Connection label | 1...12; DIN/EN |
| Mounting | DIN rail TS35 or panel mounting 1 x M4 |
| Ambient temperature operation/storage | -25 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 61g |

| | |
|---|---|
| **Associated plug-in 11-pin relays** | **C3, C31, C32** |

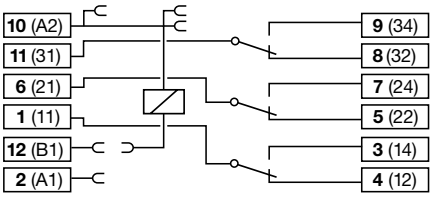
**Accessories**

| | |
|---|---|
| Retaining springs, steel | **HF-32** (Relays C31, C32)<br>**S3-C** (Relays C3)<br>**S3-CT** (Timecube + Relays C3)<br>**HF-33** (Timecube + Relays C31, C32) |
| Coil bridge bus bar | **C-A2** |
| Marking strip cardboard white 8 x 16 | **L-16/1** (under transp. plastic cover) |

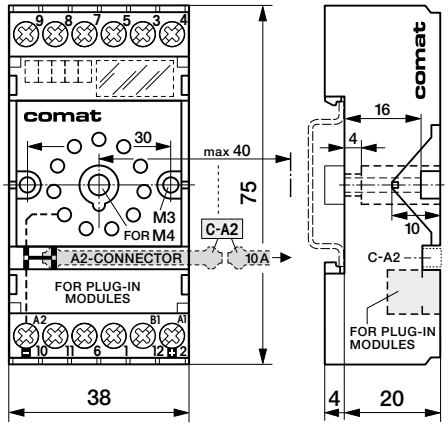
**R-Modul**

| | |
|---|---|
| Module LED | RL1/UC 12-24 V<br>RL1/AC 110-240 V |
| Module freewheeling diode | RD1/DC 12-220 V |
| Module freewheeling diode + LED | RDL1/DC 12-24 V<br>RDL1/DC 48 V |
| Module RC-suppressor | RC1/UC 12-48 V<br>RC1/UC 110-240 V |
| Module RC-suppressor + LED | RCL1/UC 24 V<br>RCL1/UC 48 V<br>RCL1/AC 110-240 V |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities



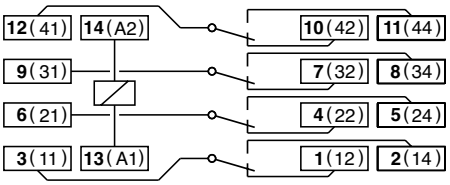
This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S4-J

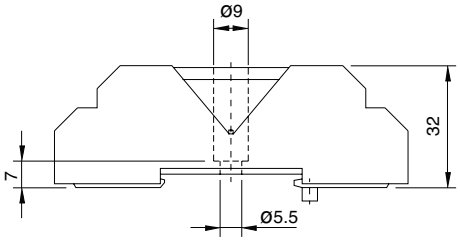
## Socket for 14-pin standard relay according to IEC 67-I-18b

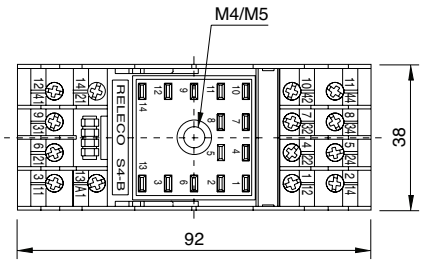
| | |
|---|---|
| **Type** | **S4-J**<br>4-pole, 2 connection level<br>Logic wiring<br>Integrated retaining clip and labelling space |
| **Rated current** | **10 A** |
| **Specifications** | |
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 1 Nm |
| Screw dimensions | M3,5, Philips-slot (combo) |
| Integrated retaining clip/plastic | for relay series C4 |
| Labelling space | detachable |
| Connection label | 1...14; DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature | -40 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 80g |
| **Associated, plug-in 11-pin MRC relays** | **C4-A, C4-X, C4-R** |
| **Accessories** | |
| Retaining spring, steel | **S4-C** |
| Retaining clip, plastic | **CP-15B** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

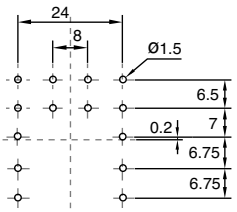
EN 60947, EN 61810

# S4-L, S4-P, S4-PO

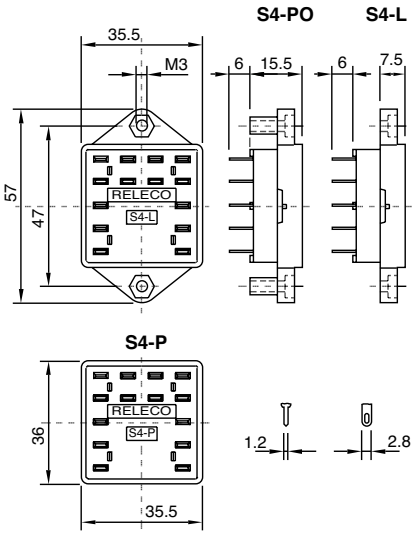
## Socket for soldering and printed circuit for relays C4-...

| | |
|---|---|
| **Type** | **S4-L**<br>4-pole, flange panel mountable<br><br>**S4-P**<br>4-pole, printed circuit<br><br>**S4-PO**<br>4-pole, printed circuit with flange |
| **Rated current** | **10 A** |
| **Specifications** | |
| Rated load | 10 A / 250 V |
| Test voltage benachbarte Pole | 2.5 kV rms 1 min |
| Ambient temperature | -30 °C ... +60 °C |
| Weight | 21g |
| **Accessories** | |
| Retaining spring, steel | **S4-CL** |

### Printed cicuit lay-out [mm]




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S5-S

## Socket for square base relay C5-...

| | |
|---|---|
| **Type** | **S5-S**<br>3-pole, 2 level<br>Logic wiring<br>Integrated retaining clip and labelling space |
| **Rated current** | **16 A** |

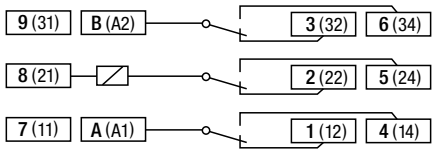
| **Specifications** | |
|---|---|
| Rated load | 16 A / 400 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 4 kV |
| – Terminal/terminal | 4 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 1,2 Nm |
| Screw dimensions | M3,5, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C5 |
| Labelling space | detachable |
| Connection label | 1...9, A, B; DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 81g |

| | |
|---|---|
| **Associated, plug-in 11-pin MRC relays** | **C5-A, C5-G, C5-X, C5-M, C5-R** |

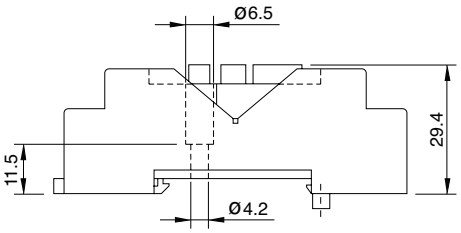
Mounting in DIN rail TS35 or mounting plate. Labelling space.
According to EN 60947 and IEC 61810

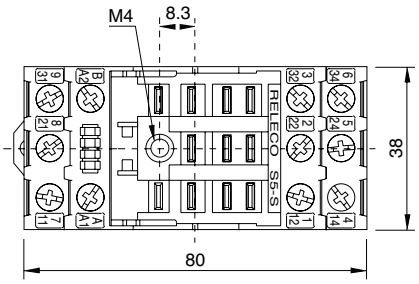
| **Accessories** | |
|---|---|
| Retaining spring, steel | **S4-C** |
| Retaining clip, plastic | **CP-15B** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1

# S5-M

## Socket for square base relay C5-...

| | |
|---|---|
| **Type:** | **S5-M**<br>3-pole, 3 level<br>Module slot for timer- and monitoring modules, over voltage suppressing- and LED indicator modules<br>coil bridge bus bar to connect in A2 |
| **Rated current** | **16 A** |

**Specifications**

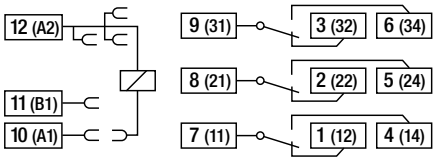
| | |
|---|---|
| Rated load | 16 A / 400 V |
| Insulation | Test voltage Vrms / 1 min |
| – All terminal/DIN rail | 4 kV |
| – Terminal/terminal | 4 kV |
| Cross section of connecting wire | |
| – Single wire | 1 x 6 $mm^2$, 2 x 2,5 $mm^2$ |
| – Multi wire | 1 x 6 $mm^2$/AWG10, 2 x 1,5 $mm^2$/AWG16 |
| Max. screw torque | 1 Nm |
| Screw dimensions | M3,5, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C5 |
| Labelling space | detachable |
| Connection label | 1 … 12, DIN/EN |
| Mounting | DIN rail TS35 or panel mounting 1 x M4 |
| Ambient temperature operation / storage | -40 (no ice) … 60° C/-40 … 80° C |
| Weight | 92g |

| | |
|---|---|
| **Associated, plug-in 11-pin MRC relays** | **C5-A, C5-G, C5-X, C5-M, C5-R** |

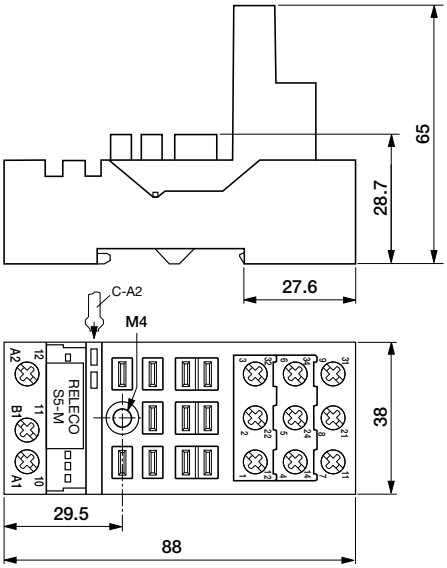
**Accessories**

| | |
|---|---|
| Coil bridge bus bar | **C-A2** |
| Retaining clip, plastic | **S5MCP** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities



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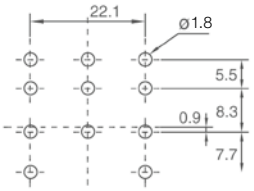
# S5-L, S5-P, S5-PO

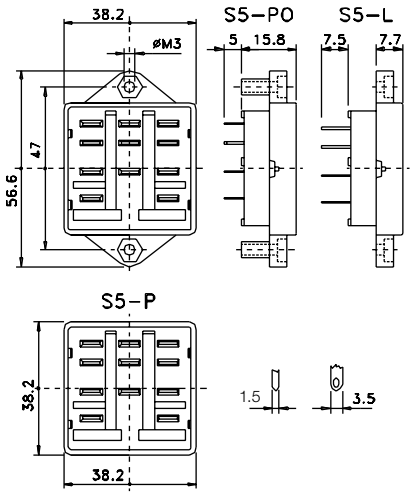
## Socket for soldering and printed circuit for relays C5-...

| | |
|---|---|
| **Type** | **S5-L**<br>3-pole, flange panel mountable<br><br>**S5-P**<br>3-pole, printed circuit<br><br>**S5-PO**<br>3-pole, printed circuit with flange |
| **Rated current** | **16 A** |
| **Specifications** | |
| Rated load | 16 A / 400 V (UL: 300 V) |
| Ambient temperature operation/storage | -40 (no ice)....60 °C / -40 ... 80 °C |
| Weight | 20g |
| **Accessories** | |
| Retaining spring, steel | **S4-CL** |

### Printed cicuit lay-out [mm]




### Dimensions [mm]




### Technical approvals, conformities

(S5-P only)

EN 60947-1, EN 61810-1

# S7-C

## Socket for miniature relays C7-... and C80 series time relays

| | |
|---|---|
| **Type:** | **S7-C**<br>2-pole, 1 level<br>integrated clip and marking label<br>suitable for clips C80 series time relays<br>coil bridge bus bar to connect in A2<br>plug-in slot for overvoltage suppressing units |
| **Rated current** | **10 A** |

**Specifications**

| | |
|---|---|
| Rated load | 10 A / 250 V |
| Insulation | Test voltage Vrms / 1 min |
| – All terminal/DIN rail | 2.5 kV |
| – Terminal/terminal | 2.5 kV |
| Cross section of connecting wire | |
| – Single wire | 4 $mm^2$, 2 x 1,5 $mm^2$ |
| – Multi wire | 2,5 $mm^2$ / AWG 16, 2 x 1 $mm^2$ / AWG 18 |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relays C7 |
| Labelling space | detachable |
| Connection label | 1 … 8, DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice) … 60 °C / -40 … 80 °C |
| Weight | 37g |

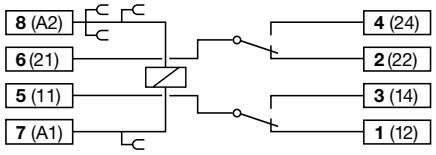
| | |
|---|---|
| **Associated plug-in 8-pin QRC relays** | **C7-A2x, C7-T, C7-G, C7-X, C7-W, C7-H** |
| **Associated C80 time relays** | **C83, C85, 84** |

**Accessories**

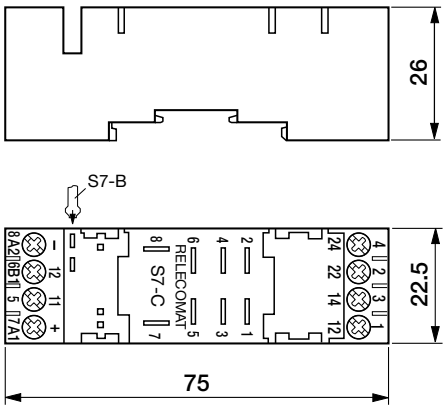
| | |
|---|---|
| Coil bridge bus bar | **S7-BB** |
| Retaining clip, plastic | **CP-07B** |

**Please note:**
This socket replaces former socket S7-M
fully compatible

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities



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QRC series

# S7-I/O

## Socket for miniature relays C7-...

| | |
|---|---|
| **Type** | **S7-I/O**<br>2-pole, 2 level<br>Integrated clip and marking label<br>Coil bridge bus bar to connect in A2<br>Logic wiring |
| **Rated current** | **10 A** |

**Specifications**

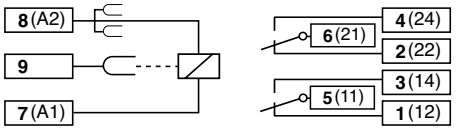
| | |
|---|---|
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C7 |
| Labelling space | detachable |
| Connection label | 1...8; DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)…60 °C / -40 ... 80 °C |
| Weight | 38g |

| | |
|---|---|
| **Associated, plug-in 8-pin QRC relays** | **C7-A2x, C7-T, C7-G, C7-X, C7-W, C7-H** |

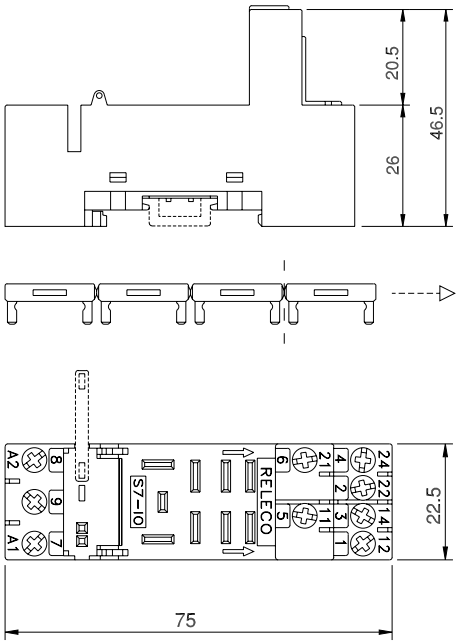
**Accessories**

| | |
|---|---|
| Coil bridge bus bar | **S7-BB** |
| Retaining clip, plastic | **CP-01B** |

### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

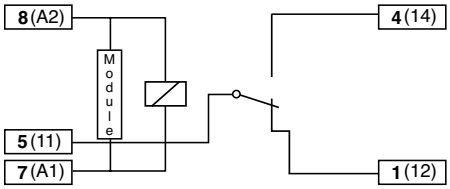
EN 60947-1, EN 61810-1

# S7-16

## Socket for miniature relays C7-A10...

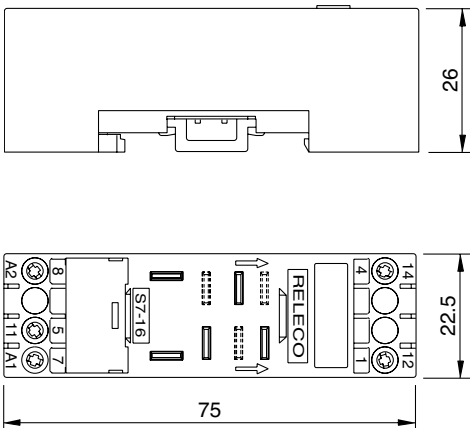
| | |
|---|---|
| **Type** | **S7-16**<br>1-pole, 1 level<br>Integrated retaining clip and labelling space |
| **Rated current** | **16 A** |
| **Specifications** | |
| Rated load | 16 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C7-A10 |
| Labelling space | detachable |
| Connection label | 1...8; DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 31g |
| **Associated, plug-in 5-pin QRC relays** | **C7-A10** |
| **Accessories** | |
| Retaining clip, plastic | **CP-07B** |

### Connection diagram




### Dimensions [mm]

**S7-16 for relays C7-A10 (16 A)**




### Technical approvals, conformities

Lloyd´s

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S7-L, S7-P, S7-PO

## Socket for PCB and soldering for miniature relays C7

| | |
|---|---|
| **Type** | **S7-L**<br>2-pole, flange panel mountable<br><br>**S7-P**<br>2-pole, printed circuit<br><br>**S7-PO**<br>2-pole, printed circuit with flange |
| **Rated current** | **10 A** |

**Specifications**

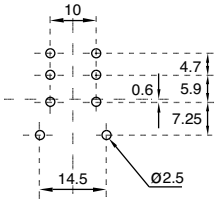
| | |
|---|---|
| Rated load | 10 A / 250 V |
| Dielectric strength adjacent pin | 2.5 kV rms / 1 min |
| Connection label | 1...8; DIN/EN |
| Integrated retaining clip/plastic | for relay series C7<br>S7-P: (CP-07B) S7-L + S7-PO: (CP-01B) |
| Ambient temperature operation/storage | -40 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 10g |

**Accessories**

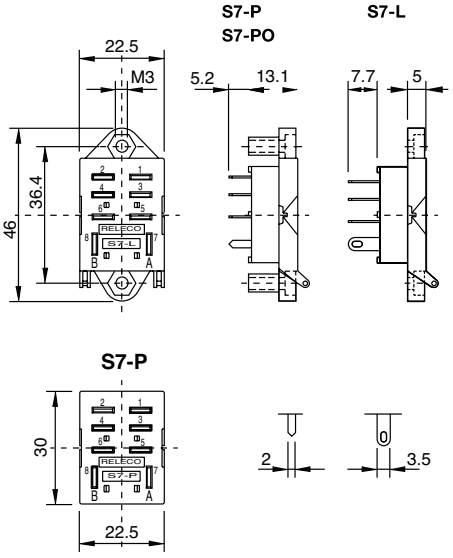
| | |
|---|---|
| Retaining clip, plastic for S7-P | **CP-07B** |
| Retaining clip, plastic for S7-L + S7-PO | **CP-01B** |

### Printed cicuit lay-out [mm]

**S7-P**
**S7-PO**




### Dimensions [mm]




### Technical approvals, conformities

Lloyd´s

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

QRC series

# S9-M

## Socket for miniature 4 pole relay C9-...

| | |
|---|---|
| **Type** | **S9-M**<br>4-pole, 2 level<br>Integrated clip and marking label |
| **Rated current** | **6 A** |

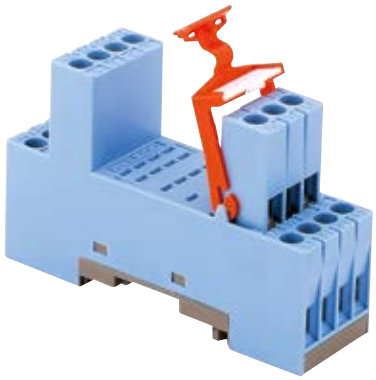
**Specifications**

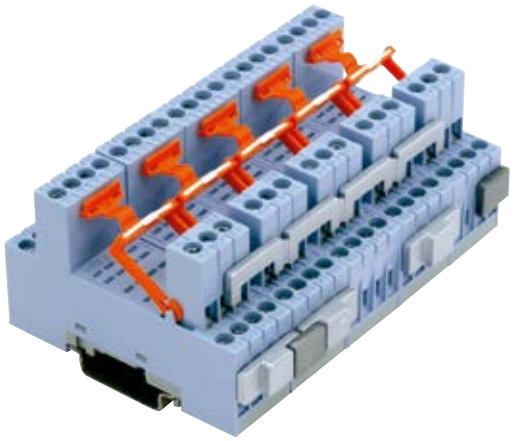
| | |
|---|---|
| Rated load | 6 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 2,5 kV |
| – Terminal/terminal | 2,5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C9 (CP-01B) |
| Labelling space | detachable |
| Connection label | 1...14; DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 54 g |

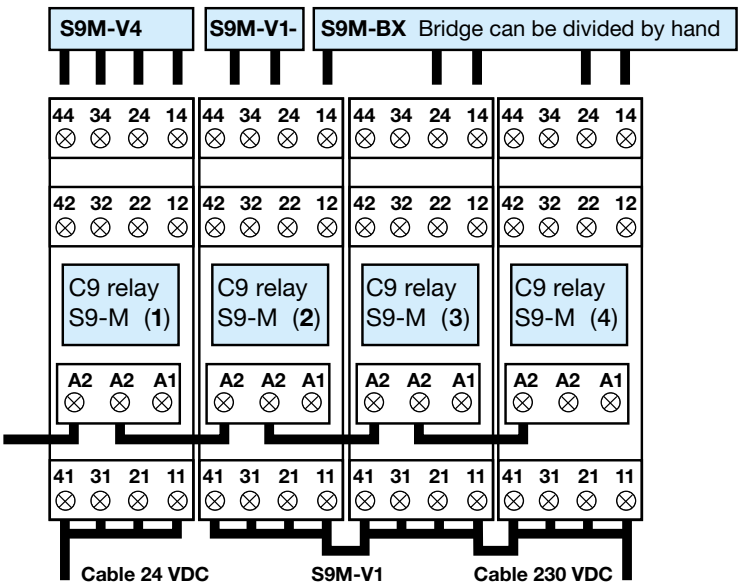
| | |
|---|---|
| **Socket for 4 poles, QRC relays** | **C9-A, C9-E, C9-R** |

**Accessories**

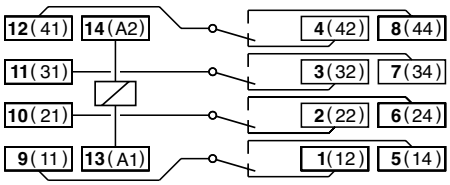
| | |
|---|---|
| Retaining clip, plastic | **CP-01B** |



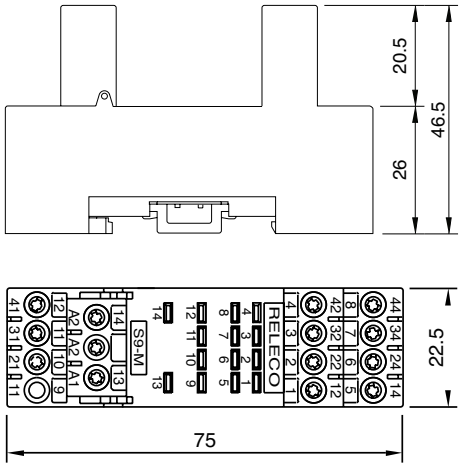





### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S9-L, S9-P, S9-PO

## Socket for PCB and soldering for miniature relays C9

| | |
|---|---|
| **Type** | **S9-L**<br>4-pole, flange panel mountable<br><br>**S9-P**<br>4-pole, printed circuit<br><br>**S9-PO**<br>4-pole, printed circuit with flange |
| **Rated current** | **6 A** |

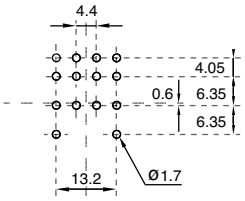
**Specifications**

| | |
|---|---|
| Rated load | 6 A / 250 V |
| Dielectric strength adjacent pin | 2.5 kV rms / 1 min |
| Connection label | 1...14; DIN/EN |
| Integrated retaining clip/plastic | for relay series C9<br>S9-P: (CP-07B) S9-L + S9-PO: (CP-01B) |
| Ambient temperature operation/storage | -40 (no ice)....60 °C /-40 ... 80 °C |
| Weight | 12g |

**Accessories**

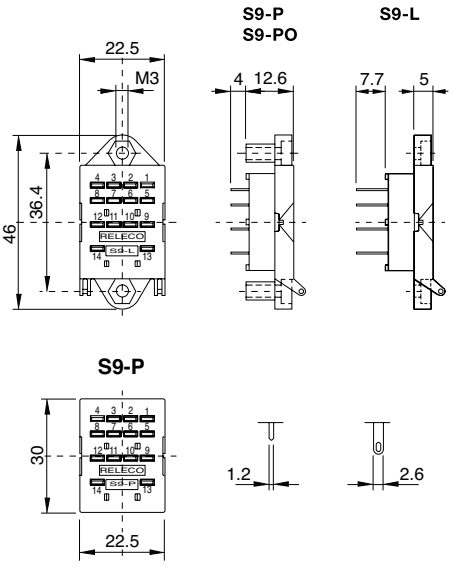
| | |
|---|---|
| Retaining clip, plastic for S9-P | **CP-07B** |
| Retaining clip, plastic for S9-L + S9-PO | **CP-01B** |

### Printed cicuit lay-out [mm]




**S9-P**
**S9-PO**

### Dimensions [mm]




### Technical approvals, conformities

Lloyd´s

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

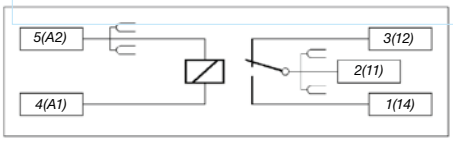
IRC series

# S10

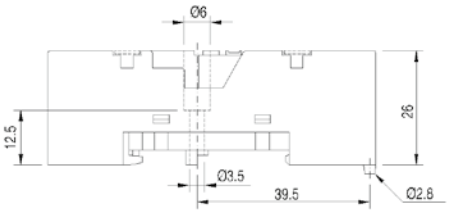
## Socket for Interface relay

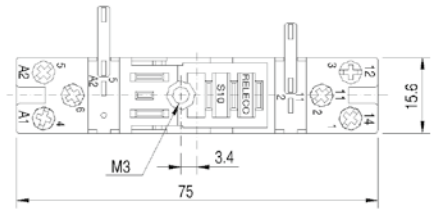
| | |
|---|---|
| **Type** | **S10**<br>1-pole, 1 connection level<br>Logic wiring<br>Integrated retaining clip and labelling space<br>Coil bridge bar for A2, 11 |
| **Rated current** | **10 A** |
| **Specifications** | |
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 5 kV |
| Contact terminals | 2,5 KV |
| Contact / Coil terminals | 5 KV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C10, CSS (CP-17B) |
| Labelling space | detachable |
| Connection label | 1...5; DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 23g |
| **Socket for plug-in 10A IRC relays** | **C10-A, C10-T, CSS, C10-G** |
| **Accessories** | |
| Coil bridge bars | **S10-BB** |
| Retaining clip, plastic | **CP-17B** |

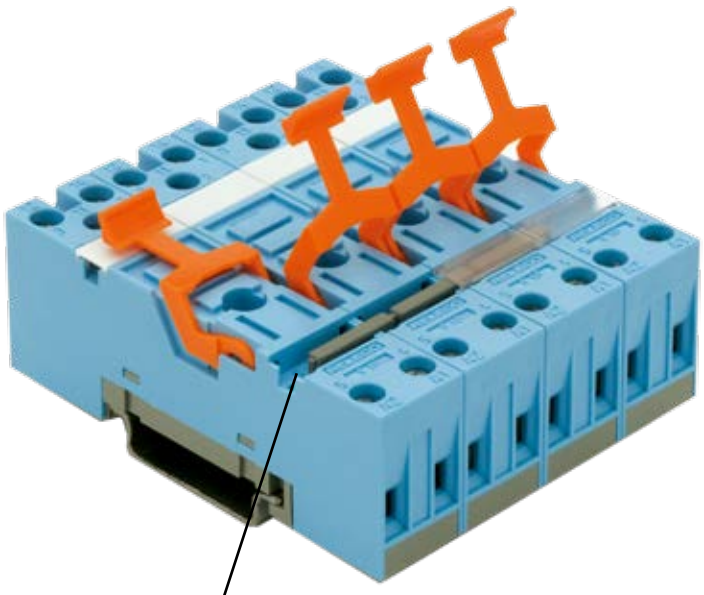
### Connection diagram




### Dimensions [mm]




### Technical approvals, conformities

EN 60947-1, EN 61810-1



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

# S10-P

## Printed circuit socket for Interface relays, C10 and CSS

| | |
|---|---|
| **Type:** | **S10-P**<br>Printed circuit socket for<br>1-pole IRC relay |
| **Rated current** | **10 A** |

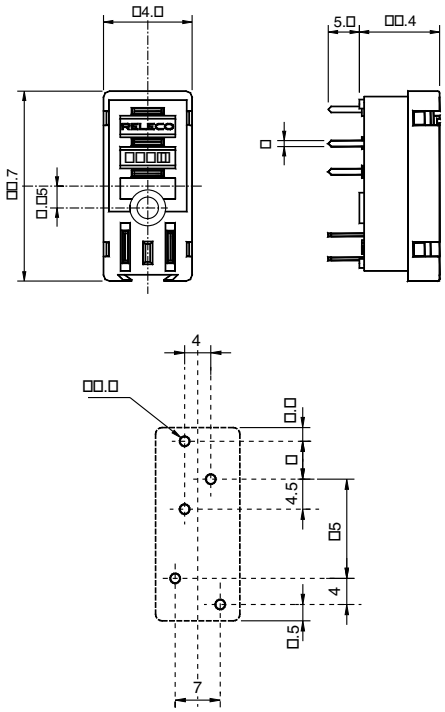
**Specifications**

| | |
|---|---|
| Rated load | 10 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| Coil terminals to contacts | 5 kV rms |
| Hard Brass tin-platted terminals | 0,5 x 1 mm |
| Integrated retaining clip/plastic | for relay series C10, CSS (CP-24B) |
| Labelling space | detachable |
| Connection label | 1...5; DIN/EN |
| Ambient temperature operation/storage | -40 (no ice)....60 ºC /-40 ... 80 °C |
| Weight | 7g |

**Accessories**

| | |
|---|---|
| Retaining clip, plastic | **CP-24B** |

## Dimensions [mm]




## Technical approvals, conformities

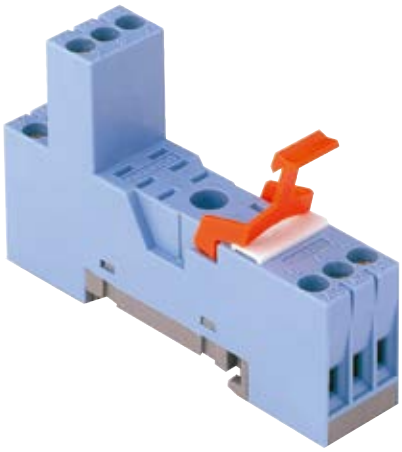
IEC 61810 EN 60947

IRC series

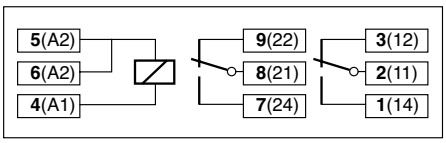
# S12

## Socket for Interface relay

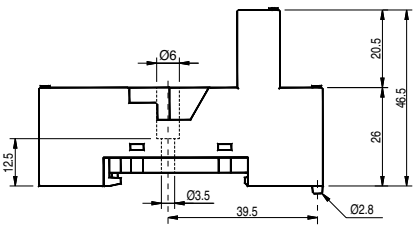
| | |
|---|---|
| **Type** | **S12**<br>I/O socket for C12 relays with 2 x CO<br>Logic connection , 5 A |
| **Rated current** | **5 A** |
| **Specifications** | |
| Rated load | 5 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – All terminals/DIN rail | 5 kV |
| Contacts terminals | 2,5 kV |
| Contacts / Coil terminals | 5 kV |
| Cross-section of connecting wire | |
| – Single-wire | 4 $mm^2$ or 2 x 2,5 $mm^2$ |
| – Multi-wire | 22 - 14 AWG |
| Max. screw torque | 0.7 Nm |
| Screw dimensions | M3, Pozi, slot |
| Integrated retaining clip/plastic | for relay series C12 (CP-17B) |
| Labelling space | detachable |
| Connection label | 1...9; DIN/EN |
| Mounting | DIN rail TS35 or mounting plate |
| Ambient temperature operation/storage | -40 (no ice)….60 °C /-40 ... 80 °C |
| Weight | 31g |
| **Socket for IRC relays** | **C12, C12G** |
| **Accessories** | |
| Coil bridge bars | **V10-G, V40-G, V10-R, V40-R, V10-A, V40-A**<br>**B20-G, B20-R, B20-A, CP-07B** |
| Retaining clip, plastic | **CP-17B** |

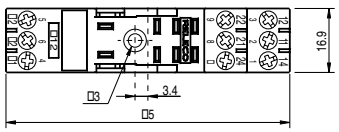


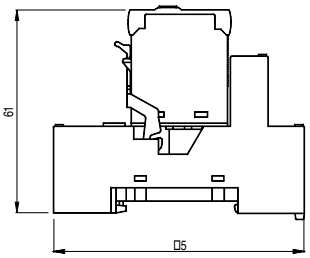
### Connection diagram

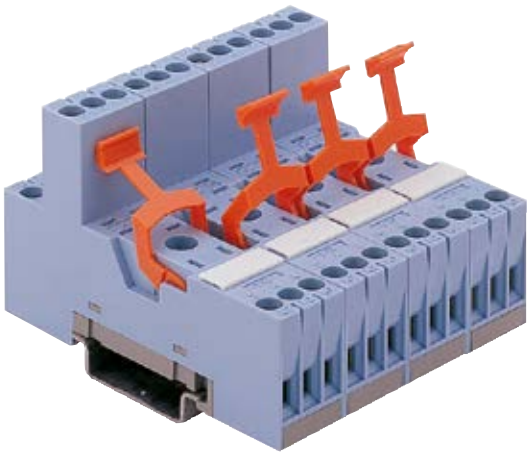



### Dimensions [mm]



### Technical approvals, conformities

IEC 61810 EN 60947



This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.

IRC series

# S12-P

## Printed circuit socket for Interface relays, C12

| | |
|---|---|
| **Type:** | **S12-P**<br>Printed circuit socket for<br>2-pole C12 relay |
| **Rated current** | **5 A** |

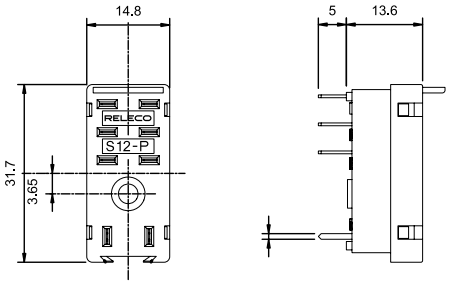
**Specifications**

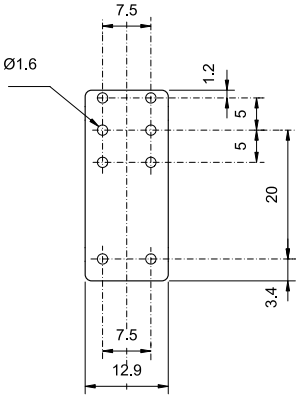
| | |
|---|---|
| Rated load | 5 A / 250 V |
| Insulation | Test voltage V rms / 1 min |
| – Pole / Pole | 3 kV |
| – Coil / contact terminals | 5 kV |
| Hard brass tin-plated terminals | 0,5 x 1 mm |
| Weight | 7 g |
| Integrated retaining clip/plastic | for relay series C12, (CP-24B) |

**Accessories**

| | |
|---|---|
| Retaining clip, plastic | **CP-24B** |

### Dimensions [mm]




### Technical approvals, conformities

IEC 61810 EN 60947