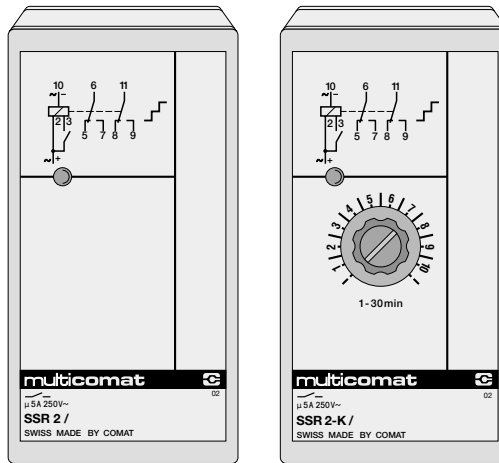
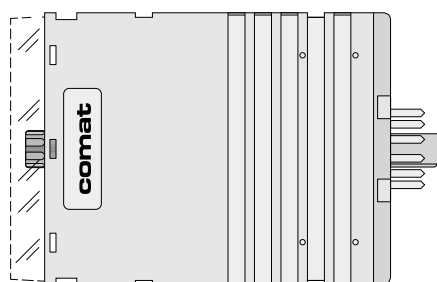


# Electronic step-on step-off relays SR-2



Electronic step-on step-off relays type SR-2 with the following characteristics:

- Plug in step-on step-off relay with supply voltage control and 2 change-over contacts 5A, 250V~
- Suitable for standard 11 pin base as specification IEC 67-1-18a
- Type SSR 2 without memory
- Type SSR 2-K with time delay function, specifically designed for lighting control
- LED display on all models of relay function

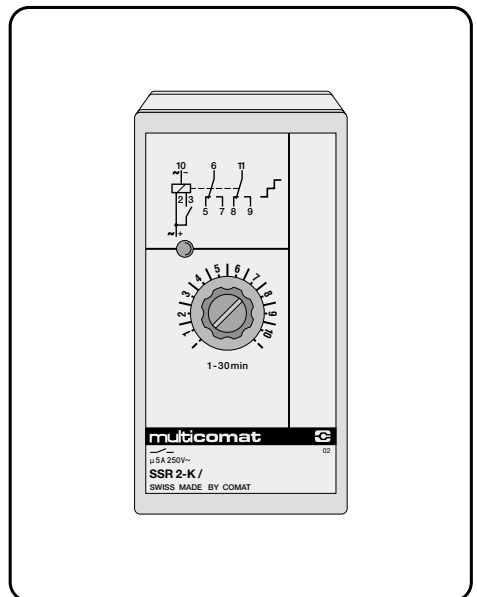




| Type    | Time range |
|---------|------------|
| SSR 2-K | 1 – 30min  |

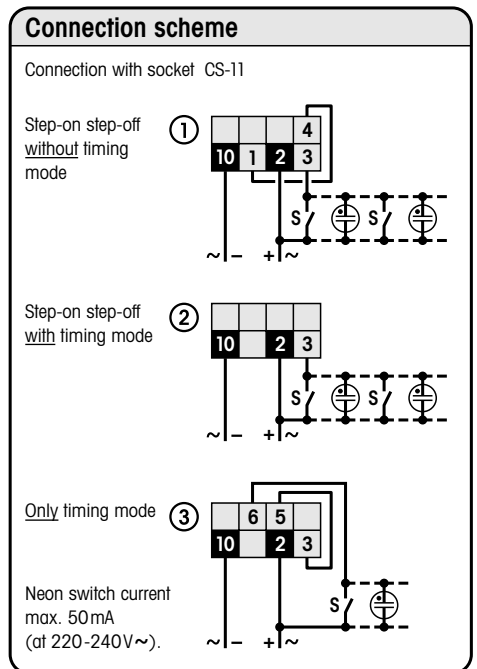
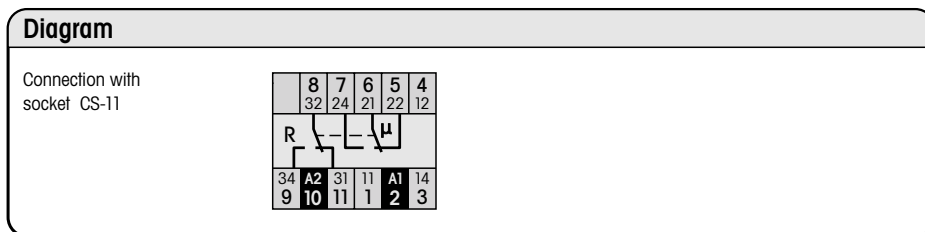
| Voltages, current consumption, type |                |       |                        |                 |
|-------------------------------------|----------------|-------|------------------------|-----------------|
| ⚡                                   | AC 50/60 Hz/UC |       | Version                | Ordering no.    |
|                                     | U min – U max  | I max |                        |                 |
| AC 220V~                            | 185 – 245V     | 8 mA  | with mains transformer | SSR 2-K/AC220V~ |
| UC 24V≈                             | 20 – 29V       | 55 mA |                        | SSR 2-K/UC24V≈  |

**Example of order:** 1 step-on step-off relay SSR 2-K/AC220V



| Functions                                   | Diagram | Description  | Scheme |
|---|---------|--|--------|
| Step-on step-off                            |         | S ⇒ R on or off  | ①      |
| Step-on step-off with one shot leading edge |         | S (pulse or continuous contact) ⇒ R on for t<br>S on for t ⇒ R off               | ②      |
| One shot leading edge                       |         | S (pulse or continuous contact) ⇒ R on for t<br>S --- does not influence R and t | ③      |

ON OFF S = triggering ⇒ = switches... R = output circuit

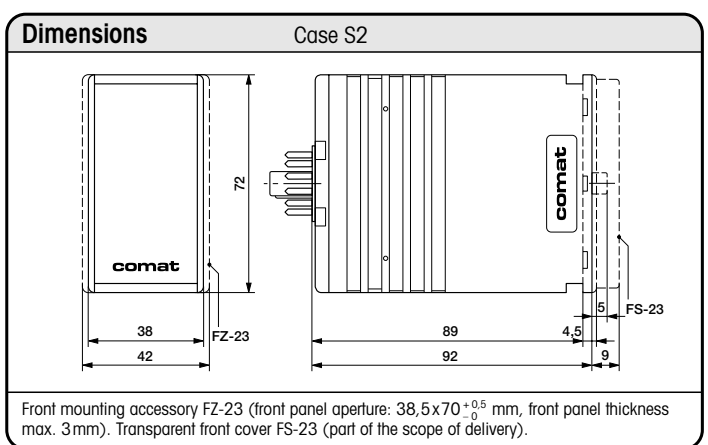


| Technical data                | General                                     |
|-------------------------------|---|
| Repeat accuracy <sup>1)</sup> | ± 2% oder 20ms                              |
| Voltage stability             | ± 1% <sup>2)</sup>                          |
| Temperature stability         | 0,1%/°C                                     |
| Time range tolerance max.     | -0 +20%                                     |
| Reset time                    | 100ms                                       |
| Triggering time               | ≥ 40ms                                      |
| Triggering delay time         | 15...40ms                                   |
| Load of control contact S     | 6mA (75mA) <sup>3)</sup>                    |
| Operating temperature range   | -25... +60°C                                |
| Storage temperature range     | -25... +80°C                                |
| Transient voltage protection  | 3kV, 50µs                                   |
| Specifications/Standards      | SEV, VDE 0435/0110 Gr. C                    |
| Protection/Case material      | IP 40/Noryl SE1 to UL 94 V-1                |
| Weight incl. packing          | approx. 150g, with transformer approx. 250g |

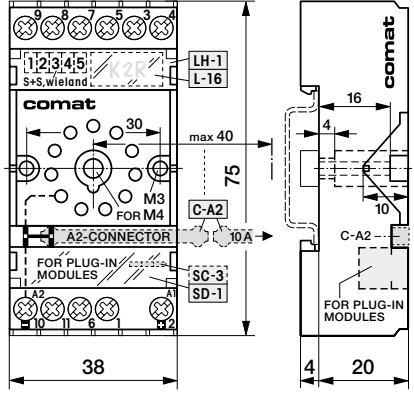
<sup>1)</sup> referred to the set time      <sup>3)</sup> 220V execution  
<sup>2)</sup> max. tolerance total              Data at T<sub>amb</sub> = 25°C and V<sub>nom</sub>

| Technical data         | Output circuit               |
|------------------------|------------------------------|
| Switching current max. | 5A                           |
| Switching voltage max. | 250V~ AC 1                   |
| Breaking capacity      | AC: 1200VA; DC: ...250W      |
| Mechanical life        | 2x10 <sup>7</sup> operations |
| Contact material       | Ag Ni                        |

These values are valid for ohmic load or for inductive loading with spark arrest.

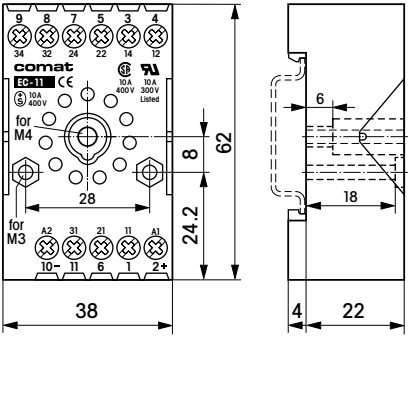


**C11A Relay socket with screw, connections for panel or DIN mounting-snap fit**



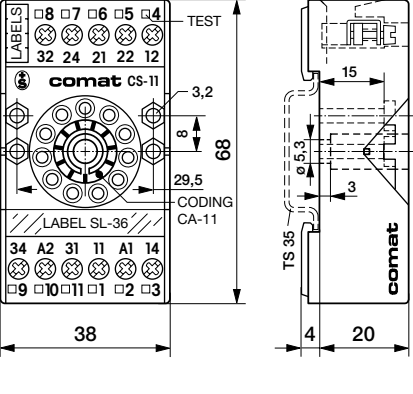
Technical drawing of the C11A relay socket. The front view shows a 38mm wide socket with 12 terminals (9-12 and 3-6) and 6 terminals (1-2 and 7-8). It features a screw terminal (LH-1, L-16) and a C-A2 connector. The side view shows a 20mm depth with a 4mm mounting flange. Labels include 'comat', 'S+S, Wieland', 'M3 FOR M4', 'A2-CONNECTOR', 'FOR PLUG-IN MODULES', 'SC-3', and 'SD-1'.

**EC-11 Relay socket with screw, connections for panel or DIN mounting-snap fit**



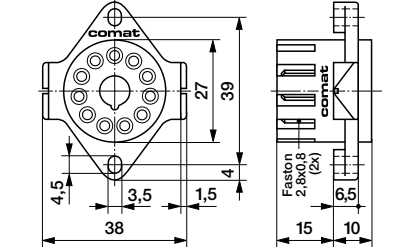
Technical drawing of the EC-11 relay socket. The front view shows a 38mm wide socket with 12 terminals (9-12 and 3-6) and 6 terminals (1-2 and 7-8). It features a screw terminal (LH-1, L-16) and a C-A2 connector. The side view shows a 22mm depth with a 4mm mounting flange. Labels include 'comat', '10A 400V', '10A 300V Listed', 'for M4', 'for M3', and 'A2 31 21 11 A1 14 10 11 6 1 2'.

**CS-11 Relay socket with screw, connections for panel or DIN mounting-snap fit**



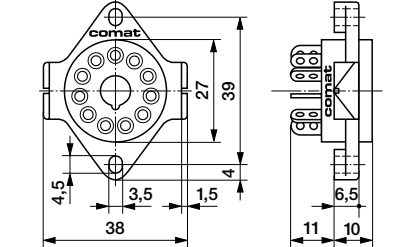
Technical drawing of the CS-11 relay socket. The front view shows a 38mm wide socket with 12 terminals (9-12 and 3-6) and 6 terminals (1-2 and 7-8). It features a screw terminal (LH-1, L-16) and a C-A2 connector. The side view shows a 20mm depth with a 4mm mounting flange. Labels include 'comat', 'TEST', '3,2', '68', '29,5 CODING CA-11', 'LABEL SL-36', 'TS 35', and 'FOR PLUG-IN MODULES'.

**11 PGF Relay socket for fasten connectors (2xAMP 2,8x0,8 DIN 46247)**



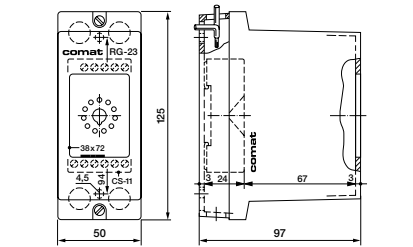
Technical drawing of the 11 PGF relay socket. The front view shows a 38mm wide socket with 12 terminals (9-12 and 3-6) and 6 terminals (1-2 and 7-8). The side view shows a 10mm depth with a 15mm mounting flange. Labels include 'comat', 'Faston 2,8x0,8 (2x)', and '15 10'.

**11 PGL Relay socket for chassis mounting (solder tags: 3,8x0,8 mm)**



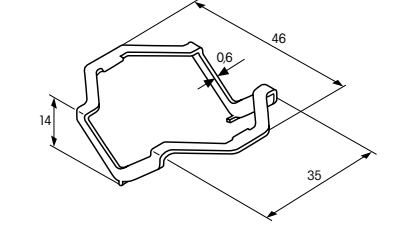
Technical drawing of the 11 PGL relay socket. The front view shows a 38mm wide socket with 12 terminals (9-12 and 3-6) and 6 terminals (1-2 and 7-8). The side view shows a 10mm depth with a 11mm mounting flange. Labels include 'comat', '11 10'.

**RG-23 Surface mounting case with built-in relay socket (protected connection terminals)**



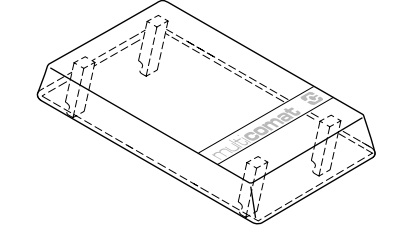
Technical drawing of the RG-23 surface mounting case. The front view shows a 50mm wide case with 12 terminals (9-12 and 3-6) and 6 terminals (1-2 and 7-8). The side view shows a 97mm depth with a 125mm mounting flange. Labels include 'comat', 'RG-23', '38x72', '125', '97', and 'FOR PLUG-IN MODULES'.

**HF-24 Retaining clip for cases S2, S3, S4 suitable for all relay sockets**




Technical drawing of the HF-24 retaining clip. The drawing shows a U-shaped clip with a 46mm length, a 35mm width, and a 14mm height. A 0,6mm gap is indicated. Labels include '46', '0,6', '14', and '35'.

**FS-23 Transparent cover (always included with the relay)**



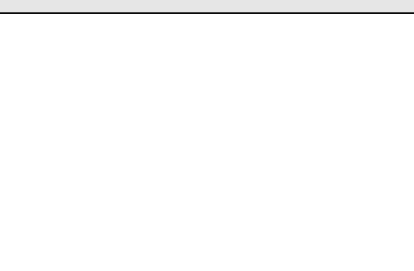
Technical drawing of the FS-23 transparent cover. The drawing shows a rectangular cover with a 38mm width and a 10mm height. Labels include '38' and '10'.

**FZ-23 Front of panel mounting accessory comprising 2 front frame parts ① and 2 retaining clips ②**



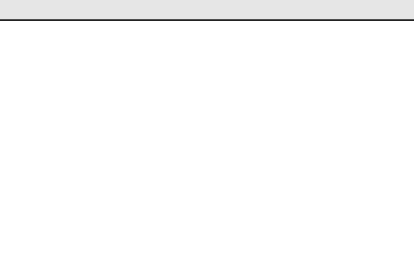
Technical drawing of the FZ-23 front of panel mounting accessory. The drawing shows two front frame parts (1) and two retaining clips (2) being assembled onto a relay socket. Dimensions include 38,5<sup>+0,2</sup>mm and 70<sup>+0,2</sup>mm. Labels include 'Gehäuse case, boîtier S2', '38,5<sup>+0,2</sup>', '70<sup>+0,2</sup>', 'min. 48', and '1...3'.

**FZ-23 Front of panel mounting accessory comprising 2 front frame parts ① and 2 retaining clips ②**



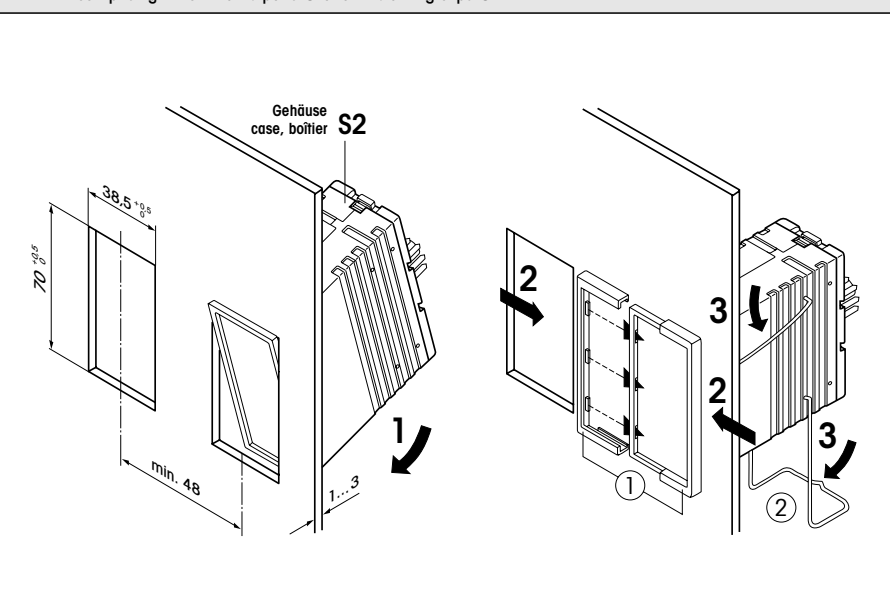
Technical drawing of the FZ-23 front of panel mounting accessory. The drawing shows two front frame parts (1) and two retaining clips (2) being assembled onto a relay socket. Dimensions include 38,5<sup>+0,2</sup>mm and 70<sup>+0,2</sup>mm. Labels include '38,5<sup>+0,2</sup>' and '70<sup>+0,2</sup>'.

**FZ-23 Front of panel mounting accessory comprising 2 front frame parts ① and 2 retaining clips ②**



Technical drawing of the FZ-23 front of panel mounting accessory. The drawing shows two front frame parts (1) and two retaining clips (2) being assembled onto a relay socket. Dimensions include 38,5<sup>+0,2</sup>mm and 70<sup>+0,2</sup>mm. Labels include '38,5<sup>+0,2</sup>' and '70<sup>+0,2</sup>'.

**FZ-23 Front of panel mounting accessory comprising 2 front frame parts ① and 2 retaining clips ②**



Technical drawing of the FZ-23 front of panel mounting accessory. The drawing shows two front frame parts (1) and two retaining clips (2) being assembled onto a relay socket. Dimensions include 38,5<sup>+0,2</sup>mm and 70<sup>+0,2</sup>mm. Labels include 'Gehäuse case, boîtier S2', '38,5<sup>+0,2</sup>', '70<sup>+0,2</sup>', 'min. 48', and '1...3'.