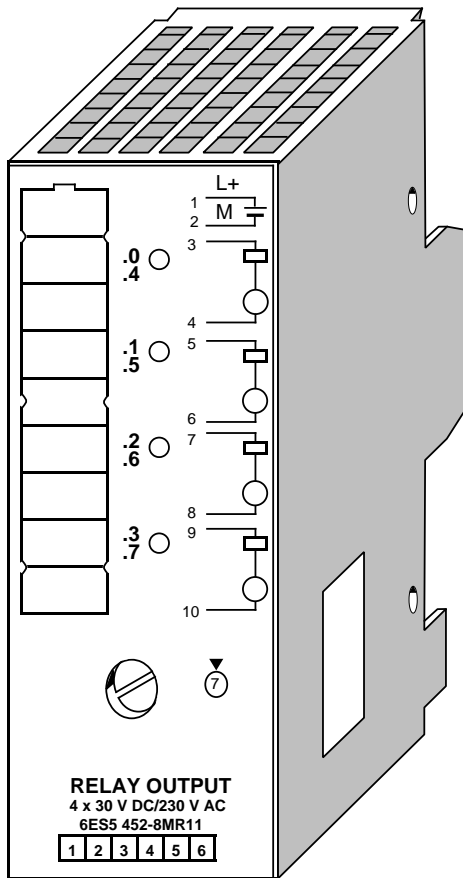


**Relay Output Module 4 x 30 V DC/ 230 V AC**

**(6ES5 452-8MR11)**



**Technical specifications**

|   |         |   |
|---|---------|---|
| Outputs   |         | 4 relay outputs, contact switching varistor SIOV-S07-K275 |
| Galvanic isolation - in groups of                               |         | yes (optocoupler) 1                                       |
| Continuous current $I_{th}$                                     |         | 5 A   |
| Relay type  |         | Siemens V 23127-D 0006-A402                               |
| Switching capacity of the contacts                              |         |   |
| - resistive load  | max.    | 5 A at 250 V AC<br>2.5 A at 30 V DC                       |
| - inductive load  | max.    | 1.5 A at 250 V AC<br>0.5 A at 30 V DC                     |
| Operating cycle of the contacts according to VDE 0660, part 200 |         |   |
| - AC-11   |         | 1.5 x 10 <sup>6</sup>                                     |
| - DC-11   |         | 0.5 x 10 <sup>6</sup>                                     |
| Switching frequency   | max.    | 10 Hz   |
| Permissible ambient temperature of module                       |         |   |
| - horizontal arrangement  |         | 0 to 60 °C (32 to 140 °F)                                 |
| - vertical arrangement  |         | 0 to 40 °C (32 to 104 °F)                                 |
| Length of cable   |         |   |
| - unshielded  | max.    | 100 m (330 ft.)   |
| Insulation rating   |         | VDE 0160  |
| Rated insulation voltage (+ 9 V to L1)                          |         | 250 V AC  |
| - insulation group  |         | 2 x B   |
| - tested with   |         | 1500 V AC   |
| Rated insulation voltage (+ 9 V to $\perp$ )                    |         | 12 V AC   |
| - insulation group  |         | 1 x B   |
| - tested with   |         | 500 V AC  |
| Rated insulation voltage (between contacts)                     |         | 250 V AC  |
| - insulation group  |         | 2 x B   |
| - tested with   |         | 1500 V AC   |
| Supply voltage L+ (for the relay)                               |         |   |
| - rated value   |         | 24 V DC   |
| - ripple $V_{pp}$   | max.    | 3.6 V   |
| - permissible range (ripple included)                           |         | 20 to 30 V  |
| - value at $t < 0.5$ s  |         | 35 V  |
| Current consumption   |         |   |
| - from + 9 V (CPU)  | typ.    | 14 mA   |
| - from L+   | typ.    | 100 mA  |
| Power loss of the module  | typ.    | 2 W   |
| Weight  | approx. | 240 g (8 oz.)   |

