

Voltage monitoring relays CM-ESS.1

For single-phase AC/DC voltages

The CM-ESS.1 is an electronic voltage monitoring relay that provides reliable monitoring of voltages as well as detection of phase loss.

All devices are available with two different terminal versions. You can choose between the proven screw connection technology (double-chamber cage connecting terminals) and the completely tool-free Easy Connect Technology (push-in terminals).

Characteristics

- Monitoring of DC and AC voltages (3-600 V)
- TRMS measuring principle
- One device includes 4 measuring ranges
- Over- or undervoltage monitoring configurable
- Hysteresis adjustable (3-30 %)
- 3 supply voltage versions
- Precise adjustment by front-face operating controls
- Screw connection technology or Easy Connect Technology available
- Housing material for highest fire protection classification UL 94 V-0
- Tool-free mounting on DIN rail as well as demounting
- 1 c/o (SPDT) contact
- 22.5 mm (0.89 in) width
- 3 LEDs for status indication

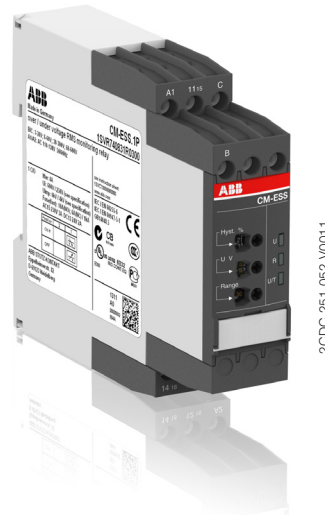
Order data

Voltage monitoring relays

Type	Rated control supply voltage	Connection technology	Measuring ranges	Order code
CM-ESS.12P	24-240 V AC/DC	Push-in terminals	3-30 V, 6-60 V, 30-300 V, 60-600 V	1SVR740830R0300
	110-130 V AC			1SVR740831R0300
	220-240 V AC			1SVR740831R1300
CM-ESS.12S	24-240 V AC/DC	Screw type terminals	3-30 V, 6-60 V, 30-300 V, 60-600 V	1SVR730830R0300
	110-130 V AC			1SVR730831R0300
	220-240 V AC			1SVR730831R1300

Accessories

Type	Description	Order code
ADP.01	Adapter for screw mounting	1SVR430029R0100
MAR.12	Marker label for devices with DIP switches	1SVR730006R0000
COV.11	Sealable transparent cover	1SVR730005R0100



Approvals / Marks



Classifications:

EN 50155, IEC 60571, NF F 16-101/102, EN 45545-2

EN 50155, IEC 60571

Temp. class	Voltage supply				Vibration and shock acc to IEC/EN 61373	Coated pcb.
	S1	S2	C1	C2		
T3	■	■	■	-	Cat 1, Class B	no

NF F 16-101/102

Flammability index	Opticity and toxicity of smoke index	EN 45545-2 Risk level achieved