

CMS-10R-D

6 digital inputs | 4 relay outputs | 110 ... 240 V AC

Power supply

Nominal voltage	110 ... 240 V AC
Operating voltage range	85 ... 255 V AC
Maximum power consumption AC	16 VA
Typical power consumption AC	5 VA
Rated frequency	42 ... 70 Hz

Inputs

Number of digital inputs	6
Operating voltage range digital inputs	85 ... 255 V AC
Logic high level digital inputs	> 85 V AC
Sampling rate	10 Hz
Measurement category	II

Outputs

Number of relay outputs	4
Contact type	CO
Contact material	AgNi
Rated voltage	250 V AC
Maximum switching voltage	400 V AC
Rated current	10 A
Minimum contact load relay outputs	10 mA, 12 V
Inrush current	80 A, 20 ms
Rated load AC-1	3 kVA
Electrical endurance at rated load AC-1	> 30 000

Communication

eSIM	Included
Communication standards	E-GSM (2G), E-UTRA (3G), LTE (4G)
Frequency bands Z1	E-GSM: B2, B3, B5, B8 E-UTRA: B1, B2, B4, B5, B6, B8, B19 LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B25, B26, B28 LTE-TDD: B38, B39, B40, B41
Coverage Z1	Worldwide
Frequency bands Z2	E-GSM: B3, B8 E-UTRA: B1, B8 LTE-FDD: B1, B3, B7, B8, B20, B28A
Coverage Z2	EMEA, Korea, Thailand
Antenna connector	SMA female
Antenna impedance	50 Ω
Antenna return loss	> 10 dB

Insulation

Insulation type	Reinforced
Insulation rating between all ports	2 kV / 1 min
Pollution degree	2
Overvoltage category	II

General data

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-25 ... 55 °C
Conductor cross section	2.5 mm ²
Nominal screw torque	0.5 Nm
Weight	280 g
Protection degree	IP20
Housing material	PA / PC

Product reference

Description	Type	110-240
CMS-10R-D Zone Z2	CMS-10R-D/AC...V-Z2	✓
CMS-10R-D Zone Z1	CMS-10R-D/AC...V-Z1	✓

“...” list control circuit voltage to complete product references.

Accessories

Additional accessories	See chapter 5.2
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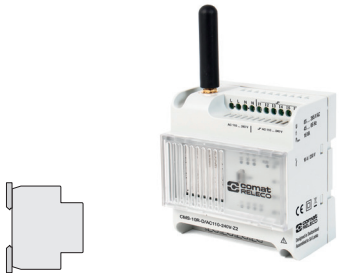


fig. 1. Wiring diagram

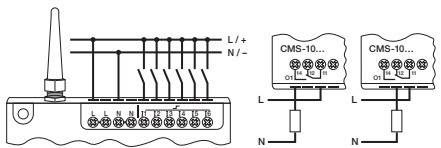
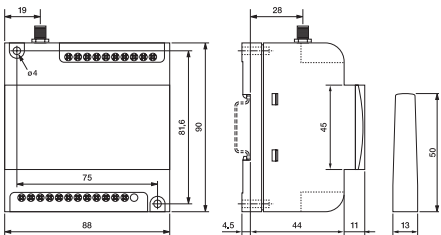


fig. 2. Dimensions (mm)



Standards and approvals

Standards	IEC 60730-1; IEC 61000-6-2; IEC 61000-6-3
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Approvals 