

CMS-10ADF**6 analogue / digital inputs | 4 relay outputs | 12 ... 48 V DC****Power supply**

Nominal voltage	12 ... 48 V DC
Operating voltage range	10 ... 60 V DC
Power consumption AC/DC	4.2 W

Inputs

Number of analogue / digital inputs	6
Nominal voltage digital inputs	12 ... 48 V DC
High level threshold digital Inputs	9.5 V DC
Nominal range analogue inputs	0 ... 10 V
Resolution of analogue inputs	10 Bit

Outputs

Number of relay outputs	4
Contact Material	AgNi
Rated voltage	250 V AC
Rated current	10 A
Minimum contact load relay outputs	10 mA, 12V
Inrush current	15 A, 20 ms
Rated load AC-1	2500 VA
Mechanical endurance	3 x 10 ⁷
Electrical endurance at rated load AC-1	150 000

Communication

Communication standards	GSM (2G), as of Q2 2019 UMTS (3G), LTE (4G)
Frequencies	850 / 900 / 1800 / 1900 MHz
Antenna connector	SMA female

Insulation

Rated test voltage control / main circuit	2.5 kV, 1 min
Rated test voltage main / main circuit	2.5 kV, 1 min
Pollution degree	3
Overvoltage category	II

General data

Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-25 ... 55 °C
Conductor cross section	2.5 mm ²
Nominal screw torque	0.5 Nm
Weight	120 g
Protection degree	IP20
Housing material	PC

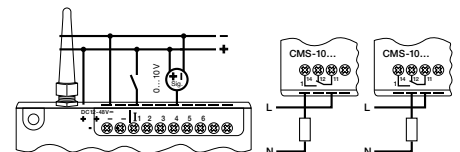
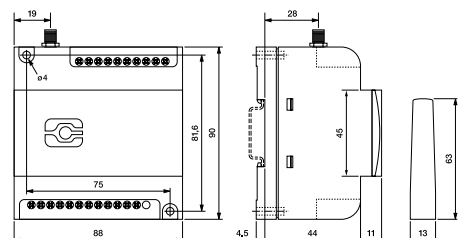
Product references

Types	Product reference	12-48
DC supply	CMS-10ADF/DC...V	✓
DC supply, kit (*included accessories)	CMS-10ADFKIT/DC...V	✓

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

Accessories

Antennas	CMS-ANT-SPEZ/5M, CMS-ANT-MAG/2.5M*
Antenna cables	CMS-ANT-KAB/5M, CMS-ANT-KAB/10M, CMS-ANT-KAB/20M
Programming cable	CMS-RS232*
USB to serial converter	CMS-USB*
Power supply 15W, 24V	DR-15-24
Power supply 30W, 24V	DR-30-24
PT100 / PT1000 amplifier	MV-LKM-274
Indoor temperature sensor with display, 0 ... 50 °C	CRF01-U-D
Indoor temperature sensor, 0 ... 50 °C	CRF01-U
Exterior temperature sensor, -50 ... +50 °C	CWF50-EXT-U4
Thermostat, 5 ... 30 °C	CRTBSB-001-010
Temperature / humidity sensor	KS-110
Water level sensor	PS1

**fig. 1. Wiring diagram****fig. 2. Dimensions (mm)****Standards and approvals**

Standards IEC/EN 60947, IEC/EN60730

Approvals   