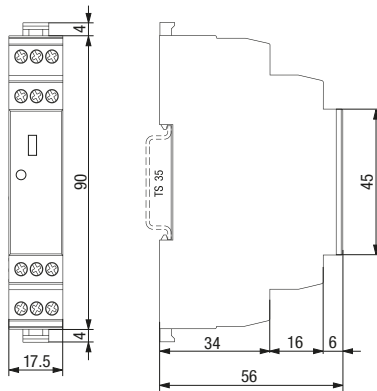


Dimensions



Approvals



Order code

1		2	3	4	5	6	7		8	9
CMA	-	D	1	1	1			/	UC	24V

1. Product family

CMA = ComatReleco Manual Automatic Interface Module

2. Type

D = Digital
 U = Analogue 0 ... 10 V
 I = Analogue 0 ... 20 mA

3. Channel

1 = One
 2 = Two

4. Connection type

1 = Screw terminal

5. Contact material

1 = AgSnO₂
 3 = AgNi

8. Supply voltage

DC
 UC = AC/DC

9. Nominal voltage

24 V

Accessories

1		2	3	4	5
BC	-	78	15	7	BK

1. Product type

BC = Bridge Cable

2. Total length (mm)

3. Cross section (mm²) x 10

4. Length of crimp ferrule (crimp length w/o plastic collar)

5. Cable jacket colour

BK = black
 BU = blue
 RD = red



Interface module with manual operation

CMA

NEW



At a glance

- For separating the sensors, control and actuators
- Automatic or manual operation
With feedback contact
- LED for status display
- Digital and analogue version available
- For 35 mm DIN rail (EN 60715)
- Design with 17.5 mm housing width
- Various bridge bars are available

E

CMA modules decouple sensors on the input side and actuators on the output side of control systems and enable the manipulation of measured and actuating values. This function is crucial for commissioning, troubleshooting, manual emergency operation or wherever intervention is required. The various switch positions of ON/OFF/AUTO or MAN/OFF/AUTO allow the input signal to be transmitted to the output unaltered or manually changed.

The two analogue value transmitters are available for the standard signals 0 - 10 V and 0 - 20 mA in accordance with EN 60381.

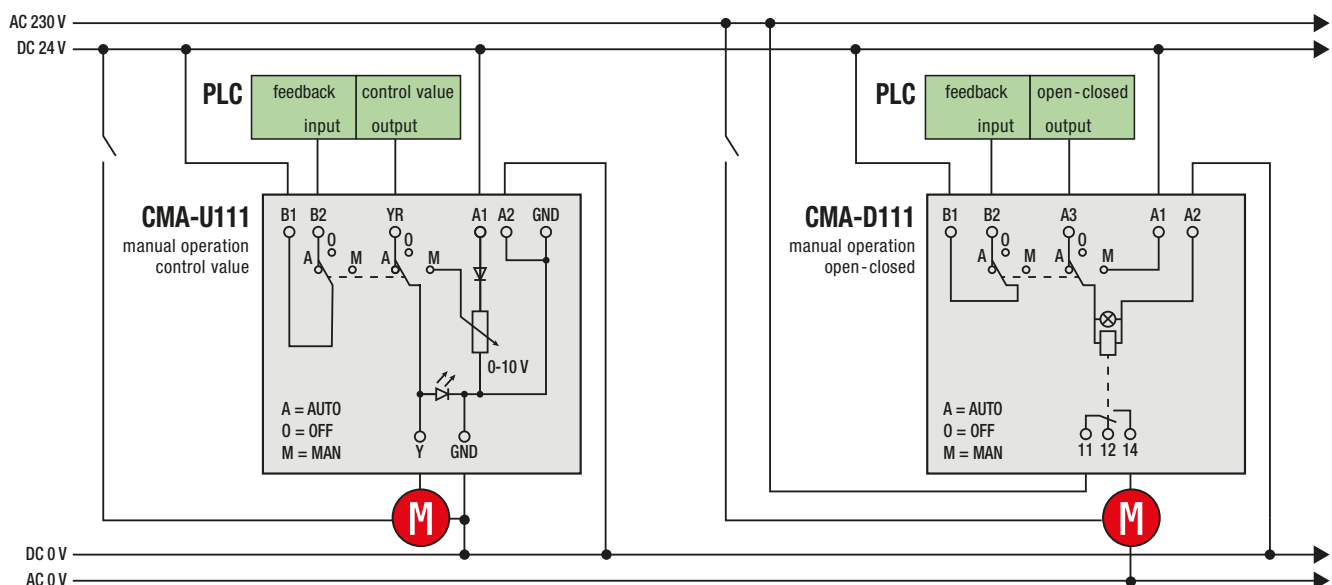
The 'feedback loop' represents the switch position and can be analysed by the control unit. The changeover contact of the feedback is closed in automatic mode so that it results in a logical 1 on the control unit. Several feedback signals can be connected in series.



Advantages of the function

- Simple commissioning of a complex system through manual stimulation
- Emergency operation or intervention option by overriding the automation
- Simplified troubleshooting

Principle circuit diagram



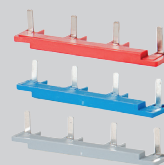
Technical data

Nominal voltage	24 V AC / DC
Contact configuration	1 CO + 2 CO
Contact material	AgNi
Maximum switching current	12 A
Insulation voltage	3 kV between coil and contact
Operating temperature	-20 ... +70 °C
Housing material	PC
Installation position	any

Accessories

Potential bridge bar
4-pole

V40-R (BAG 5 PCS)
V40-A (BAG 5 PCS)
V40-G (BAG 5 PCS)



Potential bridge bar
2-pole

V10-R (BAG 5 PCS)
V10-A (BAG 5 PCS)
V10-G (BAG 5 PCS)



Bridge bar cable

BC-78-15-7-BK
BC-78-15-7-RD
BC-78-15-7-BU



	CMA-D111/UC24V	CMA-D211/UC24V	CMA-U111/DC24V	CMA-I111/DC24V
Signal	digital	digital	analogue 0 ... 10 V	analogue 0 ... 20 mA
Channel	1	2	1	1
Wiring diagram				
Maximum / typical contact load capacity	500 mA / 12 V DC / 3 W	500 mA / 12 V DC / 3 W	500 mA / 12 V DC / 3 W	500 mA / 12 V DC / 3 W