



Complementary products- Coupling module

Status: **Available** Data sheet created: **01.07.2025**

Item Number: 170017 - Serie: Octo - EAN: 9008662000742



- ✓ Coupling modules Series OCTO
- ✓ Threshold switch: 2 bis 20mA
- ✓ Function: HAND/0/AUTO via switch
- ✓ Analoginput: 0...20mA
- ✓ 1 change over contact
- ✓ Digitaloutput: Checkback signal of the switch setting "Auto"
- ✓ Width: 17,5mm
- ✓ Installation type
- ✓ Auxiliary voltage: 24V AC/DC -15%..+10%, 1,0VA

Description

Coupling units allowing manual intervention in the control process provide benefits in maintaining and operating individual plant sections. Current transformers for converting analog signals or temperatures to standard signals are also available.

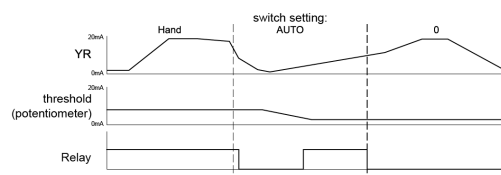
General information

Short description	Coupling modules Series OCTO
Item Number	170017
EAN	9008662000742
Main category	Complementary Products
Series	Octo
Type	OCL1 24VAC/DC
Design	Installation design
Supply	24V AC/DC
Dimensions	17.5 x 87 x 65 mm

Functions and measurands

Amount of functions

3



Automatic (AUTO)

The contact of checkback B1-B2 is closed. The output relay R switches into on-position (yellow LED illuminated) when the signal voltage applied at the terminals YR-A2 exceeds the value adjusted at the regulator. The output relay switches into off-position (yellow LED not illuminated) when the signal voltage falls below the set value by more than the fixed hysteresis.

Permanently OFF (0)

The contact of checkback B1-B2 is opened. The output relay R remains in off-position (yellow LED not illuminated) independent from the connected signal voltage.

Permanently ON (HAND)

The contact of checkback B1-B2 is opened. When the supply voltage U is applied at terminal A1 the output relay R switches into on-position (yellow LED illuminated). Changes of the signal voltage do not influence the state of the output relay.

Indicators

Supply/time lapse 1	Green LED ON: indication of supply voltage
Relay state	Yellow LED ON/OFF: indication of relay output

Mechanical design

Housing material	made of self-extinguishing plastic
Housing - protection degree	IP40
Mounting	top hat rail TH 35 7,5-15 according to IEC 60715:2017 / EN 60715:2017
Terminals/connections	Touch-proof clamping yoke terminals according to DGUV 3 (Screwdriver PZ1 required)
Terminals - protection degree	IP20
Mounting position	any
Max. Tightening Torque	1 Nm
Terminal capacity	<ul style="list-style-type: none"> • 1 x 0.5 to 2.5mm² with/without ferrule • 1 x 4mm² without wire end ferrule • 2 x 0.5 to 1.5mm² with/without end sleeves • 2 x 2.5mm² flexible without ferrules

Supply circuit

Terminals/connections	A1(+)-A2
Supply voltage d.c.	24 V
Supply voltage tolerance d.c.	-15% ... +10%
Rated consumption d.c.	0.4 W / 0.4 VA
Supply voltage a.c.	24 V
Supply voltage tolerance a.c.	-15% ... +10%
Rated frequency [Hz]	48 ... 63 Hz
Rated consumption a.c.	0.4 W / 0.4 VA
Duty cycle	100%
Residual ripple	10%
Drop-out voltage	> 30% Un



Output Circuit

Gesamtkontakte	Relay
Type	1 change over contact
Contact 1	11-12-14
Switching Capacity 1	1250 VA (5 A / 250 V a.c.) (distance < 5 mm)
Switching capacity	2000 VA (8 A / 250 V a.c.) (distance > 5 mm)
Fuse Protection	8 A quick
Mechanical life	15 x 10 ⁶ Switching cycles
Electrical life	100 x 10 ³ Switching cycles (1000 VA resistive load)
Switching frequency	max. 60/min at 100 VA resistive load
Switching frequency 2	max. 6/min at 1000 VA resistive load (IEC 60947-5-1)

Measuring circuit

Measurand	Current - one phase
Terminals/connections	YR(+)-A2
Input resistance	500 Ω
Switching threshold minimum	2 ... 20 mA d.c.
Hysteresis	fixed, approx. 10% (of threshold)

Accuracy

Base accuracy	±5% (of maximum scale value)
Adjustment accuracy	±10% (of maximum scale value)
Temperature influence	≤0.01% / °C

Checkback

Setting ,AUTO'	terminals B1-B2
Maximal switching capacity	56 VA (2 A / 28 V a.c./d.c.)
Minimal switching capacity	5 mVA (1 mA / 5 V a.c./d.c.)
Contact resistance	max. 20 m Ω
Electrical service life	30 x 10 ³ operations at maximum load

Ambient conditions and general specifications

Ambient temperature IEC	-25 ... +55°C (IEC 60068-1)
Storage temperature	-25 ... +70°C
Transport temperature	-25 ... +70°C
Relative humidity	15% ... 85% (IEC 60721-3-3 class 3K3)
Pollution degree	2, pollution level can be increased by installation in suitable enclosures (according to IEC 60664-1)

Logistics

Minimum Quantity	1
Tariff Number	85364900
EAN	9008662000742
Country of Origin	AT
Product Weight (g)	60



Available declarations / conformities

EAC ✓

CE ✓

REACH [Open document](#)

WEEE [Open document](#)

TSCA [Open document](#)

RoHs [Open document](#)

CMRT [Open document](#)

