OCP1 24VAC/DC

Manufacturer data sheet: V1.039

Complementary products- Coupling module

Status: Available Data sheet created: 01.07.2025

Item Number: 170018 - **Serie:** Octo - **EAN:** 9008662000759



- Coupling module Series OCTO
- Analog data encoder 0 ... 20 mA
- Function: HAND/0/AUTO via switch
- Digital output: 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.

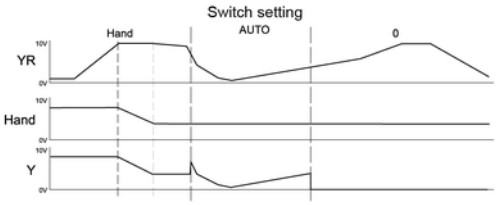
General information

Short description	Coupling module Series OCTO with analog data encoder 0 ... 20 mA
Item Number	170018
EAN	9008662000759
Main category	Complementary Products
Series	Octo
Type	OCP1 24VAC/DC
Design	Installation design
Supply	24V AC/DC
Dimensions	17.5 x 87 x 65 mm

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Functions and measurands

Amount of functions 3



Automatic (AUTO)

The contact of checkback B1-B2 is closed. The input signal applied to terminal YR is looped through unchanged to terminal Y.

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 infl uence the state of the output relay.

Indicators

Relay state	Yellow LED ON/OFF: intensity according to the value of the output signal

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	• 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.	0.7 W / 1 VA
Supply voltage a.c.	24 V
Supply voltage tolerance a.c.	-15% ... +10%
Rated frequency [Hz]	48 ... 63 Hz
Rated consumption a.c.	0.7 W / 1 VA
Duty cycle	100%
Residual ripple	10%

Output curcuit

Rated surge voltage	800 V (IEC 60664-1)
Overvoltage category	III (IEC 60664-1)

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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 mΩ
Electrical service life	30 x 10^3 switching cycles at maximum load

	corresponding to input signal at terminals VR-GND
	0 mA / 0 V
	0 ... 20 mA d.c.
	160 mW at 20 mA d.c. (Switch setting Hand)
	24 V a.c. (according to IEC 664-1)
Rated surge voltage	800 V, Overvoltage category III (according to IEC 664-1)

Ambient conditions and general specifications

Ambient temperature IEC	-25 ... +55°C
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	9008662000759
Country of Origin	AT
Product Weight (g)	55

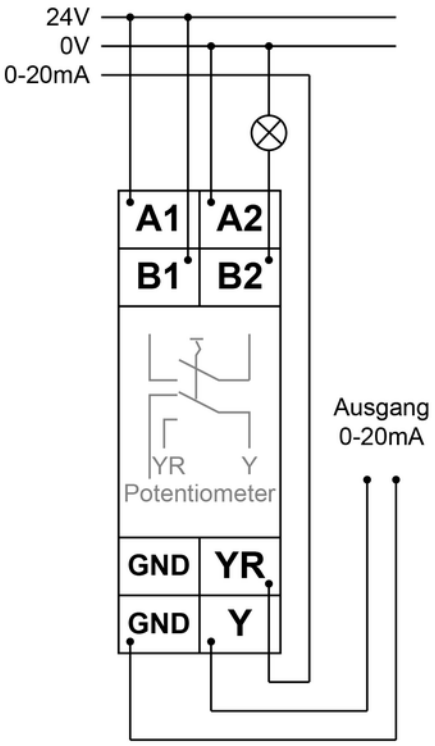
Available declarations / conformities

EAC	✓
CE	✓
REACH	Open document
WEEE	Open document
TSCA	Open document
RoHs	Open document
CMRT	Open document

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Media & drawings





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Changes and errors excepted