

## Interface Module CB 3057

Translation  
of the original instructions



### Your Advantages

- Test possible without influence on PLC

### Features

- According to IEC/EN 60947-5-1, IEC/EN 61810-1
- With service switch Auto/On/Off
- Input AC/DC 24 V
- 1 changeover contact 5 A
- LED indicator
- Width 11.5 mm

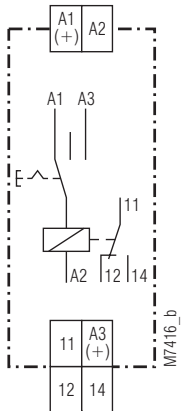
### Product Description

The interface module CB 3057 is suitable as a link between control and main circuit with integrated selector switch. It is usable for manual operation during system failure.

### Approvals and Markings



### Circuit Diagram



### Technical Data

#### Input

<b>Rated voltage:</b>	AC/DC 24 V AC 220 ... 240 V
<b>Voltage range:</b>	AC/DC 0.9 ... 1.1 U <sub>N</sub>
<b>Release voltage:</b>	12 % U <sub>N</sub>
<b>Nominal consumption:</b>	
AC:	0,5 VA
DC:	0,5 W
<b>Nominal frequency:</b>	50 Hz

#### Output

<b>Contacts</b>	1 changeover contact	
CB 3057.11:	AgNi	
<b>Contact material:</b>	AC 250 V	
<b>Measured nominal voltage:</b>	≤ 10 ms	
<b>Response time:</b>	≤ 20 ms	
<b>Release time:</b>	5 A	
<b>Thermal current I<sub>th</sub>:</b>		
<b>Switching capacity</b>	to AC 15	
NO contact:	3 A / AC 230 V	IEC/EN 60947-5-1
NC contact:	1 A / AC 230 V	IEC/EN 60947-5-1
To DC 13		
NO contact:	1 A / DC 24 V	IEC/EN 60947-5-1
NC contact:	1 A / DC 24 V	IEC/EN 60947-5-1
<b>Electrical life</b>	IEC/EN 60947-5-1	
At 3 A, AC 230 V cos φ = 1:	8 x 10 <sup>5</sup> switching cycles	
<b>Permissible switching frequency:</b>	20 switching cycles / s	
<b>Maximum fuse rating:</b>	4 A gG / gL	IEC/EN 60947-5-1
<b>Mechanical life:</b>	≥ 30 x 10 <sup>6</sup> switching cycles	

### Connection Terminals

Terminal designation	Signal description
A1(+), A2, A3(+)	Operating voltage
11, 12, 14	Changeover contact

## Technical Data

### General Data

**Operating mode:** Continuous operation

### Temperature range

Operation: - 25 ... + 60 °C

Storage: - 25 ... + 60 °C

**Relative air humidity:** 95 % at 40 °C

**Altitude:** ≤ 2000 m

### Clearance and creepage distances

Rated impulse voltage / pollution degree: 4 kV / 2 IEC 60664-1

Overvoltage category: III

### EMC

Electrostatic discharge: 8 kV (air) IEC/EN 61000-4-2

HF irradiation

80 MHz ... 6 GHz: 10 V / m IEC/EN 61000-4-3

Fast transients: 2 kV IEC/EN 61000-4-4

Surge voltages between

Wires for power supply: 1 kV IEC/EN 61000-4-5

Between wire and ground: 2 kV IEC/EN 61000-4-5

HF wire guided: 10 V IEC/EN 61000-4-6

Interference suppression: Limit value class B EN 55011

### Degree of protection

Housing: IP 40 IEC/EN 60529

Terminals: IP 20 IEC/EN 60529

**Housing:** Thermoplastic with V0 behaviour to UL Subject 94

**Vibration resistance:** Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60068-2-6

**Climate resistance:** 25 / 060 / 04 IEC/EN 60068-1

**Terminal designation:** EN 50005

**Wire connection:** DIN 46228-1/-2/-3/-4

Cross section: 4 mm<sup>2</sup> solid or 2.5 mm<sup>2</sup> stranded wire with sleeve

Stripping length: 10 mm

**Wire fixing:** Box terminal with wire protection, IEC/EN 60999-1

**Fixing torque:** 0.8 Nm

**Mounting:** DIN rail IEC/EN 60715

**Weight:** 55 g

### Dimensions

**Width x height x depth:** 11.5 x 75 x 72 mm

## Standard Type

CB 3057.11 AC/DC 24 V 50/60 Hz

Article number: 0045545

• Output: 1 changeover contact

• Nominal voltage U<sub>N</sub>: AC/DC 24 V

• Width: 11.5 mm

## Application Examples

