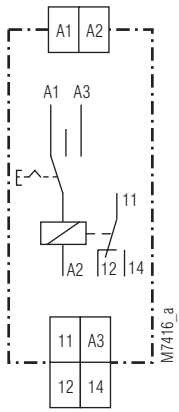


- According to IEC/EN 60255-1, IEC/EN 61810-1
- With service switch Auto/On/Off
- Test possible without influence on PLC
- Input AC/DC 24 V
- 1 changeover contact 5 A
- LED indicator
- Width 11.5 mm

Circuit Diagram



Connection Terminals

Terminal designation	Signal description
A1	L / +
A2	N / -
11, 12, 14	Changeover contact

Approvals and Markings



Applications

- Link between control and main circuit with integrated selector switch
- Manual operation during system failure

Technical Data

Input

Rated voltage:	AC/DC 24 V
Voltage range:	AC/DC 0.9 ... 1.1 U _N
Release voltage:	12 % U _N
Nominal consumption:	
AC:	0,5 VA
DC:	0,5 W
Nominal frequency:	50 Hz

Output

Contacts	CB 3057.11:	1 changeover contact
Contact material:		AgSnO ₂
Measured nominal voltage:		AC 250 V
Response time:		≤ 10 ms
Release time:		≤ 20 ms
Thermal current I_{th}:		5 A
Switching capacity		
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
Electrical life		
At 3 A, AC 230 V cos φ = 1:	8 x 10 ⁵ switching cycles	IEC/EN 60947-5-1
Permissible switching frequency:	20 switching cycles / s	
Maximum fuse rating:	4 A gG / gL	IEC/EN 60947-5-1
Mechanical life:	≥ 30 x 10 ⁶ switching cycles	

Technical Data

General Data

Operating mode: Continuous operation

Temperature range

Operation: - 20 ... + 60 °C

Storage: - 20 ... + 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 ... 2.7 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

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: 20 / 060 / 04 IEC/EN 60068-1

Terminal designation: EN 50005

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

Cross section:

4 mm² solid or

2.5 mm² 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_N : AC/DC 24 V

• Width: 11.5 mm

Application Examples

