



Coupling relay for PLC applications with changeover relay

Width 6,2 mm

DIN-rail mountable

Position indicator via LED

Adapted for co-operation with 20-way jumper link PB-B



Technical data

1. Mechanical design

Interface relays consists of socket and changeover relay RM699

Self-extinguishing plastic housing, IP rating IP20

Mounted on DIN-Rail TS 35 according to EN 60715

Mounting position: any

Shockproof terminal connection according to VBG 4,

IP rating IP20

Initial torque: max. 1Nm

Terminal capacity:

1 x 0.2 to 2.5mm² flexible with multicore cable end

1 x 4mm² without multicore cable end

Weight: 45g

2. Electrical data

Adaption of the relay - coil voltage in the socket

STKR ...	024	524	730
Rated voltage U_N	24V DC	24V AC/DC	230V AC
Input voltage range V	19.2 to 28.0	19.2 to 26.4	184.0 to 253.0
Rated frequency	---	50/60Hz	50/60Hz
Rated consumption	0.3 W	0.3VA / 0.3W	0.8VA / 0.8W
Must release voltage	$>0.1xU_N$	$>0.2xU_N$	$>0.2xU_N$
Tolerance	0.8 to 1.16x U_N	0.8 to 1.1x U_N	0.8 to 1.1x U_N
Relay voltage	24V DC	24V DC	60V DC

3. Contacts

1 change-over contact

Switching voltage: max. 400V AC
max. 250V DC
min. 10V (AC/DC)

Rated load: AC1: 6A / 250V AC
DC1: 6A / 24V DC
0,15A / 250V DC

Rated switching current: 6A

Min. switching current: 8mA

Rated inrush current: 10A

Breaking capacity: AC1: max. 1500VA

DC1: max. 144W

min. 1W

Contact resistance: $\leq 100m\Omega$ at 100mA / 24V

Switching frequency: max. 6/mi at rated load AC1

max. 1200/min, no load

Contact material: AgSnNO₂

4. General data

Operating time

AC: 11ms

DC: 8ms

Release time

AC: 15ms

DC: 10ms

Mechanical life: 2 x 10⁷ switching cycles

Electrical life: 6 x 10⁴ switching cycles at

6A / 250V AC (AC1)

2 x 10⁵ switching cycles at

2A / 250V AC (cos ϕ =0.4)

5. Insulation (according to EN 60664-1)

Insulation rated voltage: 400V AC

Dielectric strength test voltage:

Input - output: 4000V AC (50 / 60Hz, 1min)

6000V (1,2 / 50 μ s)

Mass - input, output: 2500V AC (50 / 60Hz, 1min)

Contact - contact: 1000V AC (50 / 60Hz, 1min)

Insulation input - output: reinforced

Contact clearance: micro-disconnection

Rated surge voltage: 4000V (1,2 / 50 μ s)

Overtoltage category: III

Contact - coil distance:

Clearance: $\geq 6mm$

Creepage: $\geq 8mm$

Insulation pollution degree: 3

6. Ambient conditions

Ambient temperature: -40 to +55°C (+60°C only STKR 024)

Storage temperature: -40 to +70°C

7. Changeover relay and accessories

RM699V-3011-85-1060 Relay for STKR730

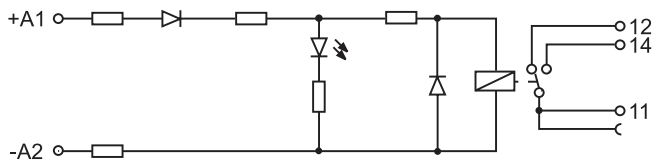
RM699V-3011-85-1024 Relay for STKR024 / STKR524

PB-B SKR 20-way jumper link blue

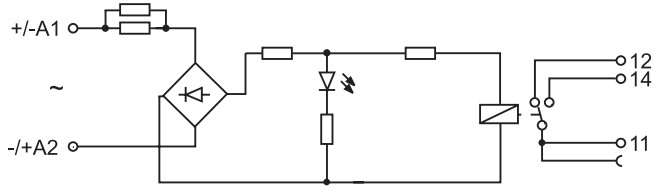
PB-R SKR 20-way jumper link red

Connections

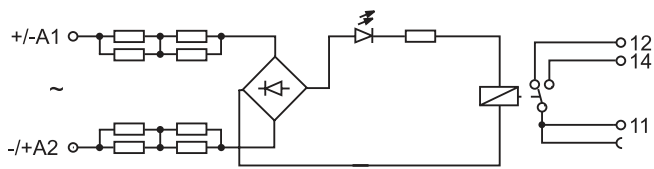
STKR 024



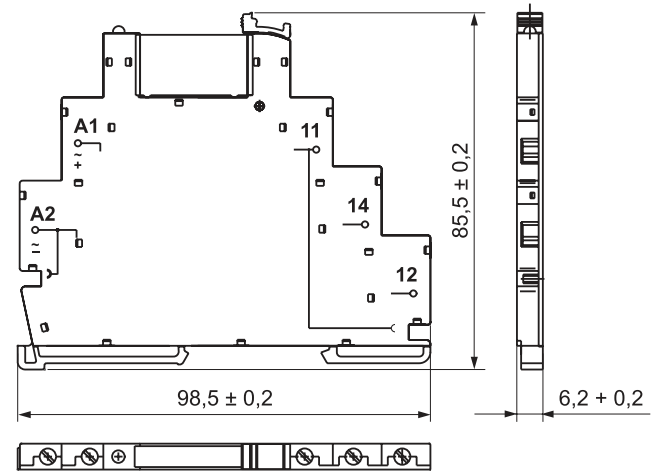
STKR 524



STKR 730



Dimensions



Jumper link

