



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: ≥ 6 mm

Creepage: ≥ 8 mm

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

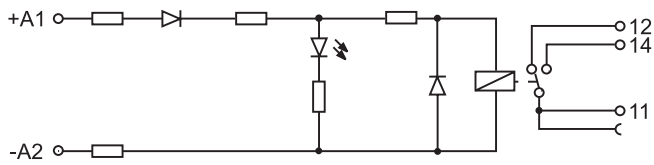
20-way jumper link blue

PB-R SKR

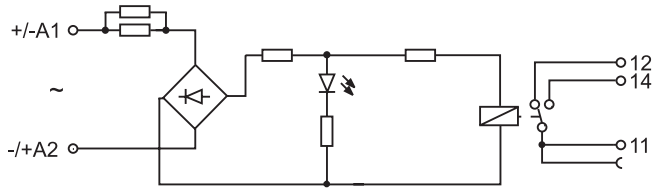
20-way jumper link red

Connections

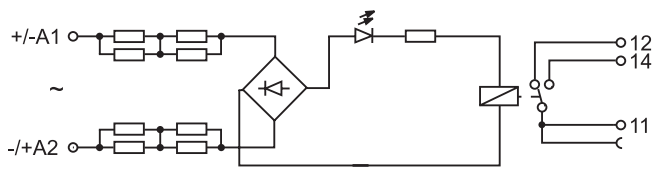
STKR 024



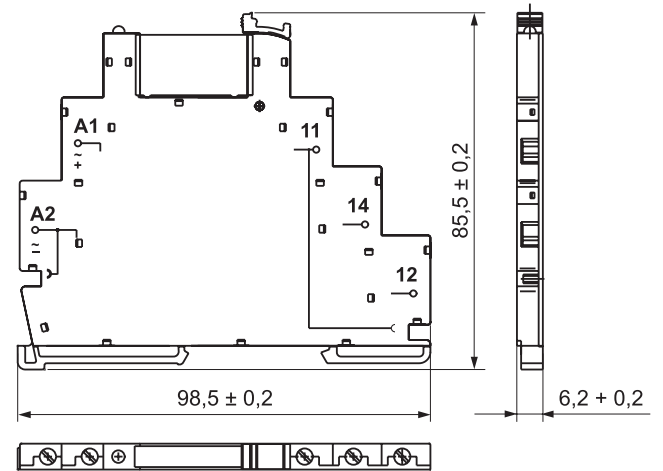
STKR 524



STKR 730



Dimensions



Jumper link

