



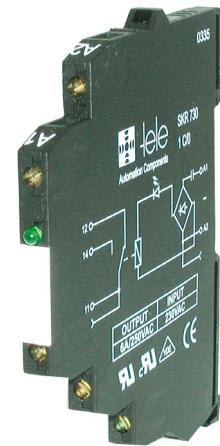
Coupling relays for PLC applications

1 change over contact

Position indicator via LED

Width 6,2 mm

DIN-rail mountable



## Technical data

### 1. Mechanical design

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 2.5mm<sup>2</sup> flexible with multicore cable end  
 1 x 4mm<sup>2</sup> without multicore cable end  
 Weight: 40g

### 2. Coil

SKR ...	024	524	730
Rated coil voltage	24V DC	24V AC/DC	230V AC
Rated frequency	---	50/60Hz	50/60Hz
Rated consumption	0.4W	0.5VA	1.0VA
Must release voltage	>0.1xU <sub>N</sub>	>0.2xU <sub>N</sub>	>0.2xU <sub>N</sub>
Tolerance	0,8 to 1,17xU <sub>N</sub>	0,8 to 1,1xU <sub>N</sub>	0.7 to 1.1xU <sub>N</sub>

### 3. Contacts

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: 100mA  
 Rated inrush current: 10A  
 Breaking capacity: AC1: max. 1500VA  
 DC1: max. 144W  
 min. 1W  
 Contact resistance: ≤100mΩ at 100mA / 24V  
 Switching frequency: max. 6/min, rated load  
 max. 1200/min, no load  
 Contact material: AgSNO<sub>2</sub>

### 4. General data

Operating time  
 AC: 7ms  
 DC: 6ms  
 Release time  
 AC: 15ms  
 DC: 10ms  
 Electrical life:  
 6 x 10<sup>4</sup> switching cycles at  
 6A / 250V AC (AC1)  
 2 x 10<sup>5</sup> switching cycles at  
 2A / 250V AC (cosφ=0,4)  
 1 x 10<sup>5</sup> switching cycles at  
 6A / 30V DC (DC1)  
 Mechanical life: 2 x 10<sup>7</sup> switching cycles  
 Vibration: 5g (10 bis 500Hz)  
 Shock resistance: 10g

### 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 / 50μs)  
 Mass - input,output: 2500V AC (50 / 60Hz, 1min)  
 Contact - contact: 1000V AC (50 / 60Hz, 1min)  
 Insulation input - output: reinforced  
 Contact clearance: micro-diconnection  
 Rated surge voltage: 4000V (1,2 / 50μs)  
 Overvoltage category: III  
 Contact - coil distance:  
 Clearance: ≥ 6mm  
 Creepage: ≥ 8mm  
 Insulation pollution degree: 3

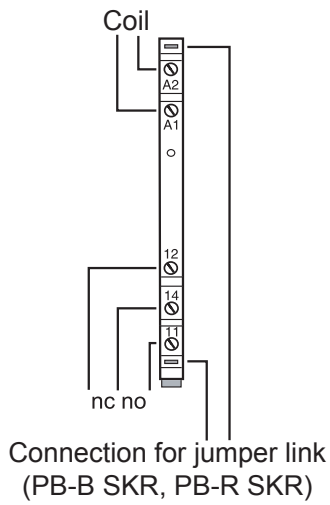
### 6. Ambient conditions

Ambient temperature: -40 to +55°C (+60°C only SKR 024)  
 Storage temperature: -40 to +70°C

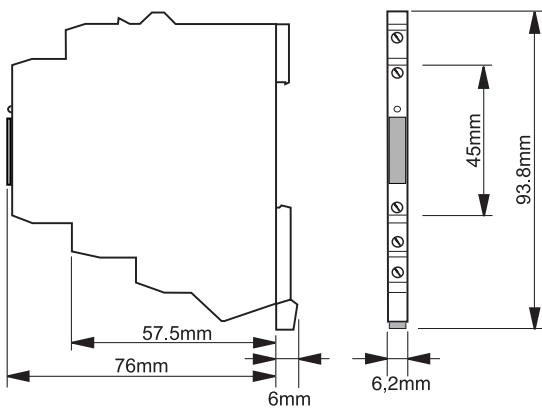
### 7. Accessories

PB-B SKR 20-way jumper link blue  
 PB-R SKR 20-way jumper link red

## Connections



## Dimensions



### Jumper link

