

HIR6W

interface relays

Overview



- Interface relay **HIR6W** consists of:
 - socket **HI6W**,
 - changeover relay, rated load 6 A / 230 V (AC)
- 35 mm DIN rail mount, EN 50022, wires connection with screw terminals - 0,2..4 mm²
- Adapted for the co-operation with interconnection strip type ZG20

Contact data

Number and type of contacts		1C/O	
Contact material		AgSnO₂ , AgSnO ₂ /Au 3 μm	
Max. switching voltage	AC/DC	AgSnO ₂ : 250 V / 300 V	AgSnO ₂ /Au 3 μm: 30 V / 36 V
Min. switching voltage	AC/DC	AgSnO ₂ : 12 V	AgSnO ₂ /Au 3 μm: 100 mV
Rated load	AC1	AgSnO ₂ : 6 A / 230 V AC	AgSnO ₂ /Au 3 μm: 50 mA / 30 V AC
	DC1	AgSnO ₂ : 6 A / 24 V DC	AgSnO ₂ /Au 3 μm: 50 mA / 36 V DC
Min. switching current		AgSnO ₂ : 8 mA / 24 V	AgSnO ₂ /Au 3 μm: 2 mA / 24 V
Max. inrush current (20 ms)		AgSnO ₂ : 15 A	AgSnO ₂ /Au 3 μm: 100 mA
Rated current		6 A	
Max. breaking capacity	AC1	AgSnO ₂ : 1 500 VA	AgSnO ₂ /Au 3 μm: 1,2 VA
Min. breaking capacity		AgSnO ₂ : 0,3 W	AgSnO ₂ /Au 3 μm: 0,01 W
Contact resistance		AgSnO ₂ : ≤ 100 mΩ 100 mA, 24 V	AgSnO ₂ /Au 3 μm: ≤ 30 mΩ 10 mA, 5 V
Max. operating frequency	AC1	• at rated load	
		• no load	
		360 cycles/hour	72 000 cycles/hour

Input control circuit

Rated voltage	DC	24
Must release voltage		AC: ≥ 0,2 U _n AC: ≥ 0,5 U _n ① DC: ≥ 0,1 U _n
Operating range of supply voltage		see Table 1
Must operate voltage		AC and DC: ≤ 0,8 U _n AC: 0,6...0,85 U _n ① DC: ≤ 0,8 U _n ①
Rated power consumption	DC	0,3 W
	AC/DC	0,3...2,1 VA / 0,3...1,0 W

HIR6W

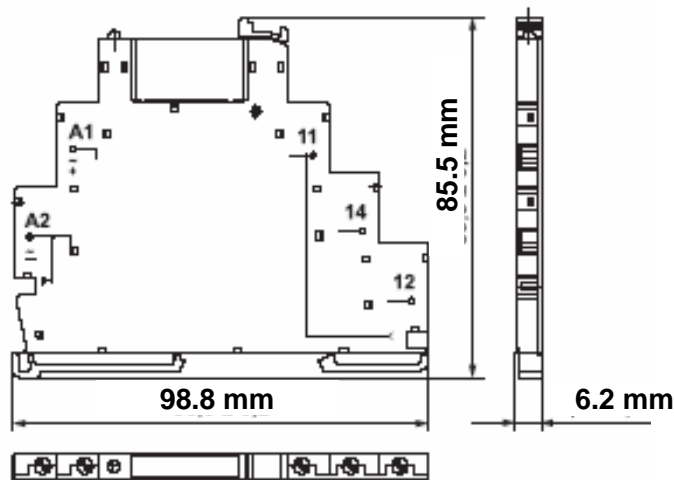
interface relays

Input data

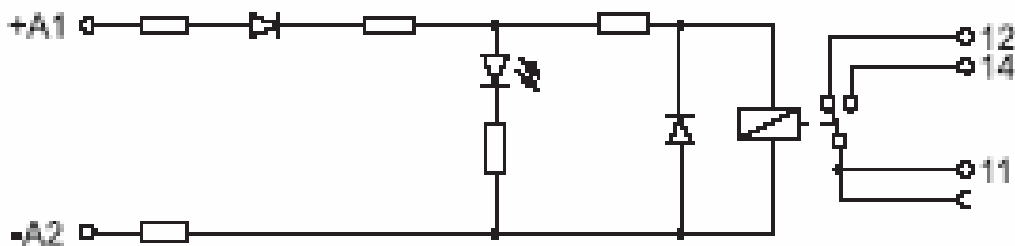


Relay code	Rated input voltage U_n	Power if input control circuit	Input – voltage range V	
			min.	max.
HIR6W-1P-24VDC	24 V DC	0.3 W	19.2	28.0

Dimensions



Connection diagrams



Mounting

Relays **HIR6W** are designed for 35 mm DIN rail mount, EN 50022. For relays **HIR6W** are offered description plates type **HI6W-1246**.

HIR6W are adapted for the co-operation with interconnection strip type **ZG20**. Interconnection strip **ZG20** allows to common bridging outputs or inputs. Maximum current rate is 36 A.

SRSI- CC20 Busbar available in 20 way

