

# CHA1/UC24V

1 pole | changeover contact | auxiliary contact



## Main circuit

Contact type control / main circuit  
Available contact materials

	Power contact (11 / 12 / 14)	Signal contact (B1 / B2)
	AgNi	
	AgSnO <sub>2</sub>	
Recommended minimum contact load	10 mA / 12 V	1 mA / 6V
Rated load	10 A / 250 V AC	0.3 A / 24V AC/DC
Inrush current	15 A, 20 ms	0.5 A, 20 ms
Rated load AC	2500 VA	9 VA
Rated load DC	see fig. 3	
Rated current	10 A	
Mechanical endurance (cycles)	≥ 10 000 000	≥ 1 000
Electrical endurance at rated load AC-1 (cycles)	≥ 100 000	≥ 1 000

## Control circuit

Nominal voltage	see table product references
Operating voltage range	0.8 U <sub>N</sub> ... 1.1 U <sub>N</sub>
Pick-up voltage	≤ 0.8 U <sub>N</sub>
Release voltage	≥ 0.1 U <sub>N</sub>
Power consumption AC / DC	0.75 VA / 0.5 W

## Insulation

Test voltage open contact	1 kV / 1 min
Test voltage contact / coil	3 kV / 1 min
Overtoltage category	III
Pollution degree	3

## General data

Storage temperature (no ice)	-25 ... 85 °C
Operation temperature	-20 ... 50 °C
Pick-up time / bounce time	10 ms / 2 ms
Release time / bounce time	12 ms / 2 ms
Conductor cross section screw terminal	2.5 mm <sup>2</sup>
Nominal screw torque control / main circuit	0.5 Nm
Ingress Protection	IP 20
Mounting	TH35 (EN 60715)
Weight	42 g
Housing material	PA

## Product references

Description	Type	24
AC / DC Supply	CHA1/UC...V	✓

«...» List coil voltage to complete product references



fig. 1. Wiring diagram

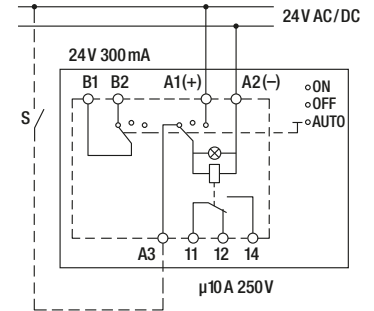
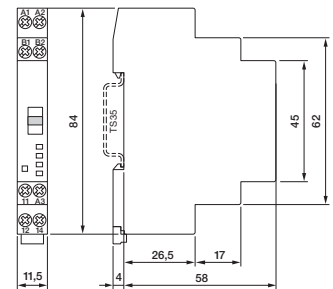


fig. 2. Function diagram

Green ON-OFF-switch	Control input A3	Relay / LED	Check back contact
AUTO	1	1	1
	0	0	1
ON	-	1	0
OFF	-	0	0

fig. 3. Dimensions (mm)



## Technical approvals, conformities

Standards IEC/EN 61810-1

Approvals