

CR16CX

Power relay with 1-pole change over contact
DIN Rail mounting according to DIN 43 880



Type: CR16CX/...V R

Power relay
 1 change over contact
 control voltage DC 24 V and AC 230 V / 50 Hz
 LED status indicator
 Wash tight relay built in

Maximum contact load	6 A 250 V AC-1, 6 A 30 V DC-1
Recommended minimum contact load	10 mA / 12 V

Contacts

Type	Single contact micro disconnection
Material	AgNi
Rated operational current	6 A
Max. inrush current (20ms)	15 A
Max. switching voltage AC-1	250 V
Max. AC load AC-1	1500 VA
Max. DC load 24V/220V (Fig. 2)	180 W

Control input V_n =

	DC 24 V	AC 230
Operating voltage range	18 ... 27 V	190 ... 255 V
Input current @ V _n	12 ... 15 mA	12 ... 16 mA
Starting current	—	≤ 0.65 A / 0.1 ms
Release voltage	2.4 V	33 V
Nominal power consumption	330 mW	330 mW
Inductive turn-off voltage	damped, 57 Vp	suppressed

Insulation

Test voltage open contact	1 kVrms
Test voltage between contacts and coil	2.5 kVrms 1 minute

General Specifications

Ambient temperature storage / operation	-40 ... +85 °C / -25 ... +60 °C
Response time AC / DC	10 ms / 6 ms
Release time AC / DC	8 ... 20 ms / 10 ... 15 ms
Bounce time NO contact	2.5 ms
Operating frequency at nominal load	≤ 400 operations / h
Service life, mech./elec.	≥ 30 x 10 ⁶ / ≥ 1.5 x 10 ⁵ operations (Fig. 1)
Ingress protection degree	Housing: IP 40, terminals: IP 20
	contact: IP67
Max. Screw torque	0.4 Nm
Housing material	Lexan
Weight	50 g

Standard types

AC 230 V 50 Hz:	CR16CX/AC230V R
DC 24 V:	CR16CX/DC24V R

Accessories

Marking Strip:	
Large:	BS-13G
Small:	BS-13K



Connection diagram



Fig.1 AC voltage endurance 250 V

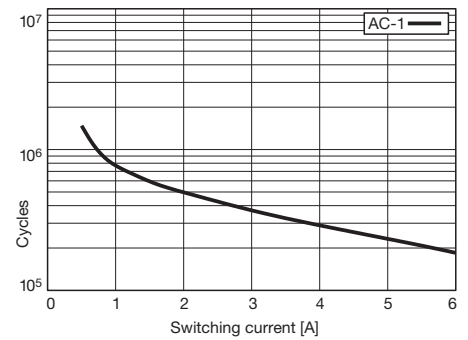
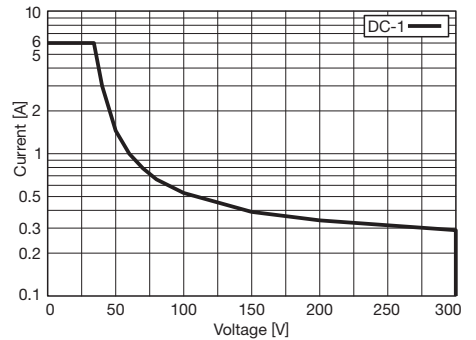
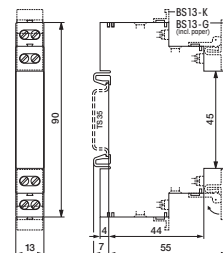


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

