DIN Relay 13 mm interface series

CR11C

Signal relay with 2-pole change over double contacts
DIN Rail mounting according to DIN 43 880

Type: CR11C/DC24V R
Signal relay
2 change over double contacts
LED status indicator
Sealed relay built in

Maximum contact load	**1 A, 125 V AC-1, 1 A 30 V DC-1**
Minimum contact load	**10 µA / 10 mV**

Contacts

Type	double contact micro disconnection
Material	Ag gold plated
Max. operational current	1 A
Max. switching voltage AC-1	125 V
Max. AC load AC-1	0.5 A, 125 V, 62.5 VA
Max. DC load (Fig. 2)	30 W

Remark: For preserving the gold plating do not exceed 30 V / 0.1 A resistive load.

Control input V_n =	**DC 24 V**
Operating voltage range	18 … 30 V
Input current @ V_n	10.5 … 12 mA
Release voltage	2.4 V
Nominal power consumption	280 mW
Inductive turn-off voltage	damped, 45 Vp

Insulation

Test voltage open contact	0.75 kVrms 1 minute
Test voltage between adjacent poles	0.5 kVrms, 1minute
Test voltage between contacts and coil	1 kVrms 1 minute

General Specifications

Ambient temperature storage/operation	-40 … +85 °C / -25 … +60 °C
Response time	≤ 3 ms
Release time	≤ 4 ms
Operating frequency at nominal load	≤ 400 operations / h
Bounce time NO contact	≤ 1 ms
Service live, mech./elec.	≥ 10^8 / ≥ 10^5 operations (Fig. 1)
Ingress protection degree	Housing: IP 40, terminals: IP 20 contacts: IP67
Housing material	Lexan
Max. Screw torque	0.4 Nm
Weight	40 g

Standard types

DC 24 V	**CR11C/DC24V R**

Accessories

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

Connection diagram

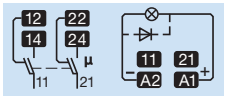


Fig.1 Contact endurance

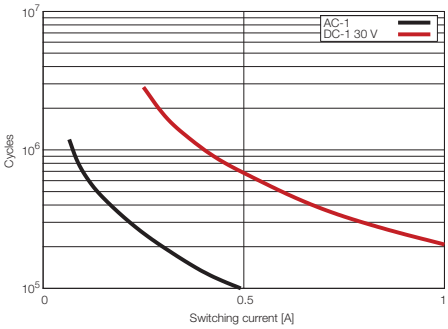
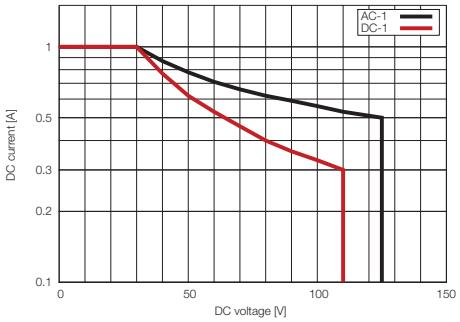
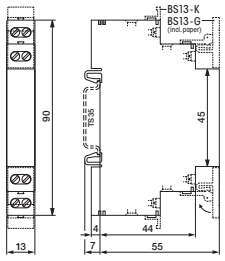


Fig. 2 Load limit curve



Dimensions [mm]



Technical approvals, conformities

EN 60947-4-1, EN 60947-5-1