

# 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<sub>n</sub> = DC 24 V**  
 Operating voltage range 18 ... 30 V  
 Input current @ V<sub>n</sub> 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<sup>8</sup> / ≥ 10<sup>5</sup> 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**

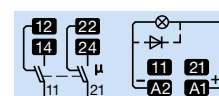
**DC 24 V** CR11C/DC24V R

**Accessories**

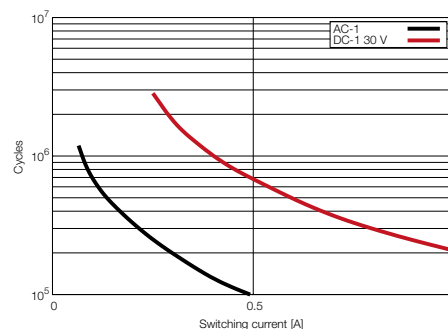
Marking Strip:  
 Large BS-13G  
 Small BS-13K



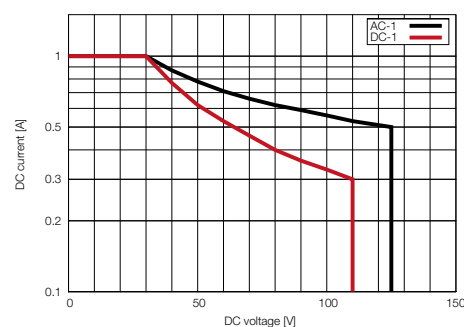
**Connection diagram**



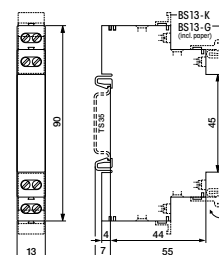
**Fig.1 Contact endurance**



**Fig. 2 Load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



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