

RQ SERIES

RQ2021

2 CHANGE-OVER CONTACTS, 1 POWER, 1 SIGNAL, 8 FASTON, DPDT.

TYPE

RQ2021 ... V
Miniature Relay
1 CO power contact + 1 CO twin contact

MAX. CONTACT LOAD

10 A / 250 V AC1 0,5 A / 110 V DC1
10 A / 30 V DC1 0,2 A / 220 V DC1

CONTACT

Material	Standard	AgNi
	Optional	AgNi + 0,2 μ Au
	Optional	AgNi + 10 μ Au
Rated current / Max. peak current		10 A / 30 A - 6A / 15 A
Rated voltage / Max. switching voltage AC-1		250 V / 400 V
Rated load AC15 (250 V)		750 VA / 350 VA
Min. switching load		10 mA / 10 V
		5 mA / 5 V (0.2 μ Au) - 1 mA / 5 V (10 μ Au)

COIL

Operation range	$\leq 0,8 \times U_N - 1,1 \times U_N$
Rated power (AC/DC)	1,2 VA / 1 W
Release voltage	$\geq 0,1 \times U_N$
Coil resistance	$\pm 10\%$

Coil data

VAC	Ω	mA	VDC	Ω	mA
24	174	50	12	148	85
48	686	25	24	594	40
115	4K3	10,4	48	2K3	21
230	18K6	5,2	110	11K4	11

INSULATION (Vrms, 1 min)

Contact open	1 KV
Coil /Contacts	2,5 KV
Insulation IEC 61810-1	2,5 KV/3
Between contacts	2,5 KV

SPECIFICATIONS

Ambient temperature	- 40 °C ... + 80 °C
Operation / Release time	16 ms / 8 ms
Protection category	IP40
Electrical life DC / Mechanical life	1·10 ⁵ op / 10·10 ⁶ op (AC) 20·10 ⁶ op (DC)
Weight	43 g

ACCESSORIES

Sockets	SQB20D, SQW20X, SQP20X, SQP20F, SQB20I
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ORDERING CODE

R **Q** **2** **0** **21** **L** **N** **0** ... **D**

SERIES
N° OF CONTACTS

TYPE OF CONTACTS
AgNi - 0
AgNi + 0,2 μ Au - 1
AgNi + 10 μ Au - 3

TYPE OF RELAY
Standard CO + Twin CO - 21

SPECIAL EXECUTION
Under request

CIRCUIT 2
N - No circuit
D - FW for DC
E - Polarity and FW for DC
U - AC/DC

CIRCUIT 1
N - No LED
L - LED

VOLTAGES
D - 012, 024, 048, 060, 110, 220 VDC
A - 012, 024, 048, 115, 230 VAC
U - 024, 048, 060 VAC/VDC
S - 024, 120, 240 VAC (60 Hz)



CONNECTION DIAGRAM

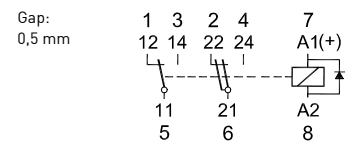


FIG. 1 ELECTRICAL LIFE AC LOAD

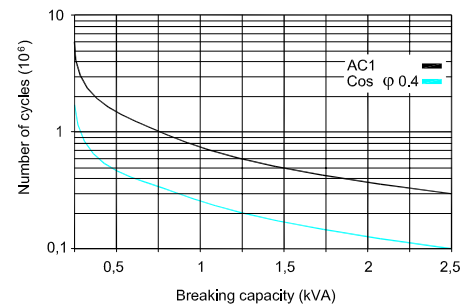
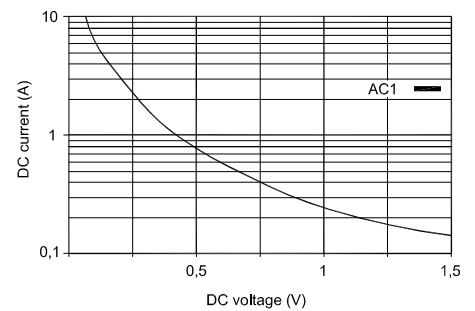
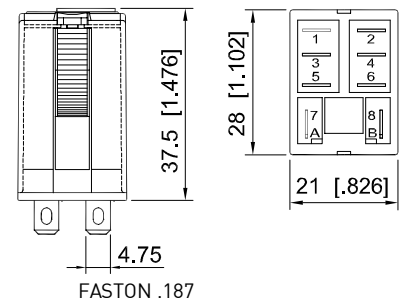


FIG. 2 MAX. DC BREAKING CAPACITY



DIMENSIONS mm [inch]



TECHNICAL APPROVALS



IEC 61810; EN 60947