QRC series
C7-H23
8-pin, miniature relay, 2-pole, faston

Type	**C7-H23/ ... V** Special relays 1 x CO power contact 1 x CO twin contact
Maximum contact load	**10 A 250 V AC1 6 A 250 V AC1** **10 A 30 V DC1 6 A 30 V DC1**
Recommended minimum contact load	**10 mA/10 V**
Contact load	**1mA/5V (twin contacts)**

Contacts

Power contact

Standard material	AgNi
Rated current	10 A
Switch-on current max. (20 ms)	30 A
Switching voltage max.	2,5 kV
AC load	2,5 VA
DC load	see fg. 2

Twin contact

Standard material	AgNi + 0,3 µ Au
Rated current	6 A
Switch-on current max. (20 ms)	15 A
Switching voltage max.	250 V

Coil

Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≥ 0,8 x U_N
Release voltage	≥ 0,1 x U_N
Nominal power	1,2 VA (AC) /1 W (DC)

Coil table

VAC	Ω ± 10%	mA	VDC	Ω ± 10%	mA
24	174	50	12	148	85
48	68	25	24	594	43
115	4K3	10.4	48	2K3	21
230	18K6	5.2	110	11K4	11

Insulation	Volt rms, 1 min
Contact open	1000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation, IEC 61810-5:	2,5 kV/3

Specifications

Ambient temperature operation/storage	40 (no ice)….60 °C /-40 ... 80 °C
Mechanical life	AC: 10 Mill./DC: 20 Mill. switching cycles
Protection class	IP40
Weight	43 g

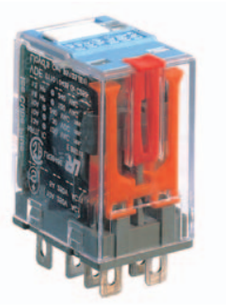
Standard types

AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240)	**C7-H23/AC ... V**
LED	**C7-H23X/AC ... V**
DC 12,24, 48, 110	**C7-H23/DC ... V**
LED	**C7-H23X/DC ... V**
Free wheeling diode	**C7-H23DX/DC ... V**
Polarity and free wheeling diode	**C7-H23FX/DC ... V**
UC 24 V, 48 V, 60 V	**C7-H23BX/UC ... V**

"..." Enter the voltage for full type designation

Accessories

Socket: **S7-M, S7-I/O, S7-L, S7-P, S7-P0**



Connection diagram

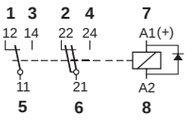


Fig. 1 AC voltage endurance

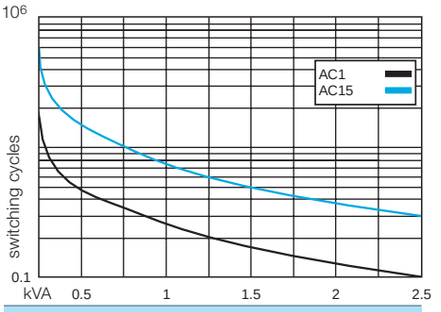
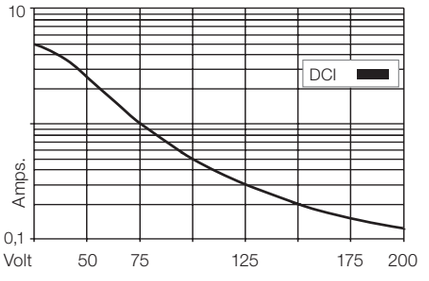
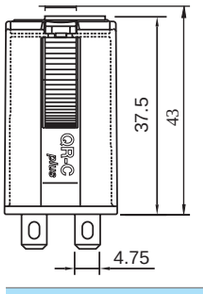
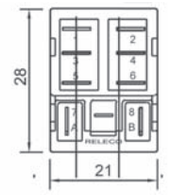


Fig. 2 DC load limit curve



Dimensions [mm]





Technical approvals, conformities

IEC 61810; EN 60947

Kühn Controls AG

Notes:

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