

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

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

<b>Contacts</b>	
<b>Power contact</b>	
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 fig. 2

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

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

<b>Coil table</b>	<b>VAC Ω ± 10% mA</b>	<b>VDC Ω ± 10% mA</b>
	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

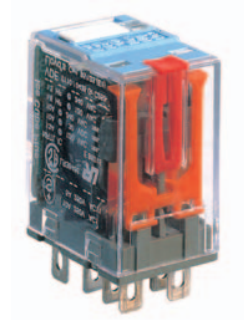
<b>Insulation</b>	Volt rms, 1 min
Contact open	1000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation, IEC 61810-5:	2,5 kV/3

<b>Specifications</b>	
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

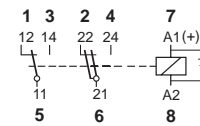
<b>Standard types</b>	<b>C7-H23/AC ... V</b> <b>C7-H23X/AC ... V</b>
<b>AC 50 Hz/60 Hz: 24, 48, 115 (120), 230 (240) LED</b>	
<b>DC 12,24, 48, 110 LED</b>	<b>C7-H23/DC ... V</b> <b>C7-H23X/DC ... V</b> <b>C7-H23DX/DC ... V</b> <b>C7-H23FX/DC ... V</b>
<b>Free wheeling diode</b>	
<b>Polarity and free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

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

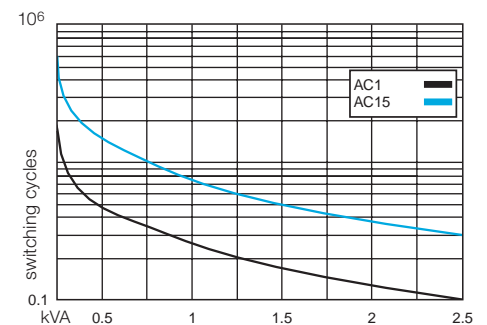
<b>Accessories</b>	
Socket:	<b>S7-M, S7-I/O, S7-L, S7-P, S7-P0</b>



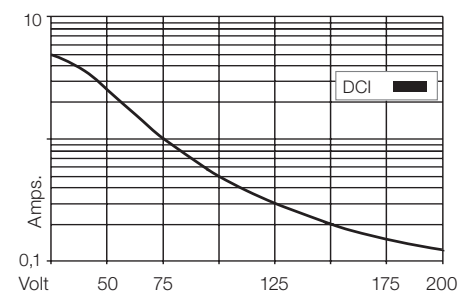
**Connection diagram**



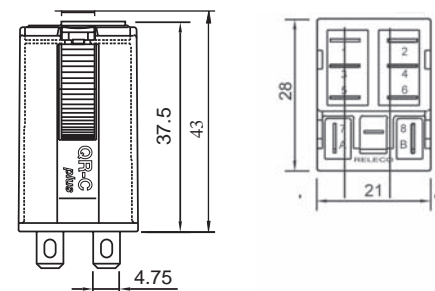
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



IEC 61810; EN 60947