

Type	C3-N3x/DC ... V Sensitive relays, 800 mW 3 change-over contacts			
Operating range	0,8 ... 1,4 x Un			
Maximum contact load	6 A/250 V	AC-1	6 A/30 V	DC-1
Recommended minimum contact load	10 mA/10 V	Code 4		
	5 mA/ 5 V	Code 8		

Contacts				
Material	Standard	Code 4	AgNi + 0,2 μ Au	
	Optional	Code 8	AgNi + 10 μ Au	
Rated current	6 A			
Switch-on current max. (20 ms)	15 A			
Switching voltage max.	250 V			
AC load (Fig 1)	1,5 kVA			
DC load	see Fig. 2			

Coil	
Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	≤ 0,8 x U _N
Release voltage	≥ 0,1 x U _N
Nominal power	800 mW

Coil table																
	<table border="1"> <thead> <tr> <th>VDC</th> <th>Ω</th> <th>mA</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>720</td> <td>33</td> </tr> <tr> <td>48</td> <td>2K8</td> <td>17</td> </tr> <tr> <td>60</td> <td>4K5</td> <td>13</td> </tr> <tr> <td>110</td> <td>15K</td> <td>7</td> </tr> </tbody> </table>	VDC	Ω	mA	24	720	33	48	2K8	17	60	4K5	13	110	15K	7
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Insulation	Volt rms, 1 min
Contact open	1000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	≥ 1 GΩ
Insulation, IEC 61810-5	2,5 kV/3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C /-40 ... 80 °C
Pick-up time/bounce time	18 ms/≤ 3 ms
Release time/bounce time	10 ms/≤ 1 ms
Mechanical life ops	DC: 20 Mill.
DC voltage endurance at rated load	≥ 100000 switching cycles
Switching frequency at rated load	≤ 1200/ops/h
Protection class	IP40
Weight	90 g

Standard types							
VDC 24, 48, 60, 110							
Free wheeling diode	<table border="1"> <tr> <td>C3-N34/DC ... V</td> <td>C3-N38/DC ... V</td> </tr> <tr> <td>C3-N34D/DC ... V</td> <td>C3-N38D/DC ... V</td> </tr> <tr> <td>C3-N34F/DC ... V</td> <td>C3-N38F/DC ... V</td> </tr> </table>	C3-N34/DC ... V	C3-N38/DC ... V	C3-N34D/DC ... V	C3-N38D/DC ... V	C3-N34F/DC ... V	C3-N38F/DC ... V
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Polarity and free wheeling diode							

Connection of diodes to the coil will increase the release time.

LED available upon request.

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

Accessories	
Socket:	S3-B, S3-S, S3-L, S3-P, S3-P0
Optional accessories (blanking plug):	SO-NP, SO-OP



Connection diagram

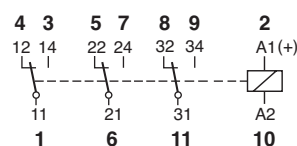


Fig. 1 AC voltage endurance

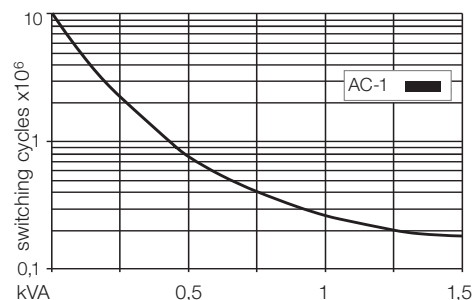
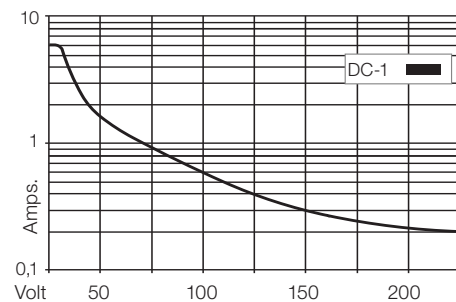
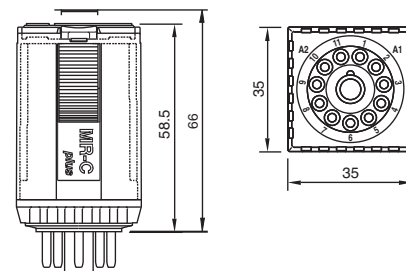


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947