

<b>Type</b>	<b>C3-S1x/ DC... V</b> Sensitive relays, 250 mW, 1 change-over contacts			
<b>Operating range</b>	<b>0,8 ... 2,5 x Un</b>			
<b>Maximum contact load</b>	<b>6 A/250 V</b>	<b>AC-1</b>	<b>6 A/30 V</b>	<b>DC-1</b>
<b>Recommended minimum contact load</b>	<b>10 mA/10 V</b>	<b>Code 4</b>		
	<b>5 mA/5 V</b>	<b>Code 8</b>		

<b>Contacts</b>				
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			

<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	250 mW

<b>Coil table</b>	<b>VDC</b>	<b>Ω</b>	<b>mA</b>
	6	140	43
	12	536	22
	24	2164	11
	48	8651	5,5

<b>Insulation</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	250 mW
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 61810-1	2,5 kV/3

<b>Specifications</b>	
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	73 g

**Standard types**

<b>VDC 12, 24, 48</b>	<b>C3-S14/DC ... V</b>	<b>C3-S18/DC ... V</b>
<b>Free wheeling diode</b>	<b>C3-S14D/DC ... V</b>	<b>C3-S18D/DC ... V</b>
<b>Polarity and free wheeling diode</b>	<b>C3-S14F/DC ... V</b>	<b>C3-S18F/DC ... V</b>

**Connection of diodes to the coil will increase the release time.**  
**LED available upon request.**

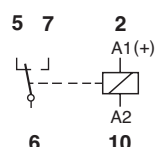
"..." Enter the voltage for full type designation

**Accessories**

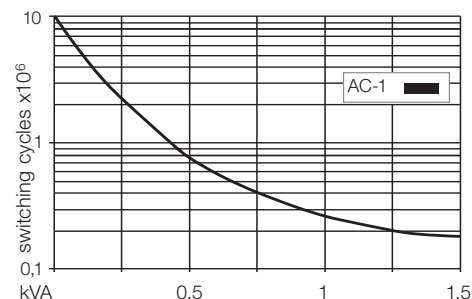
Socket:	<b>S3-B, S3-S, S3-L, S3-P, S3-P0</b>
Optional accessories (blanking plug):	<b>SO-NP, SO-OP</b>



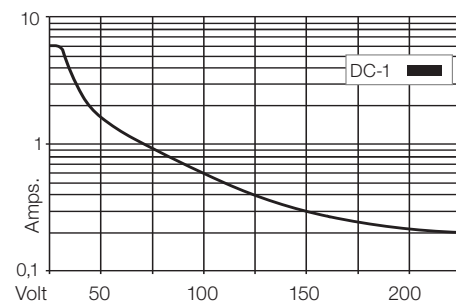
**Connection diagram**



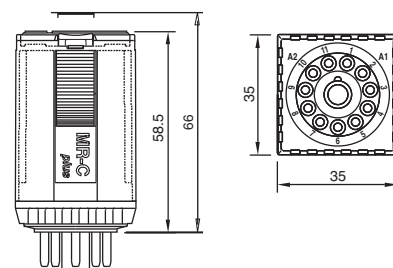
**Fig. 1 AC voltage endurance**



**Fig. 2 DC load limit curve**



**Dimensions [mm]**



**Technical approvals, conformities**



IEC 61810; EN 60947