

Type	C3-S1x/ DC... V Sensitive relays, 250 mW, 1 change-over contacts			
Operating range	0,8 ... 2,5 x Un			
Maximum contact load	6 A/250 V	AC1	6 A/30 V	DC1
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	250 mW

Coil table

VDC	Ω	mA
6	140	43
12	536	22
24	2164	11
48	8651	5,5

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

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	73 g

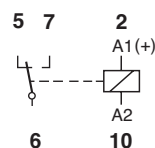
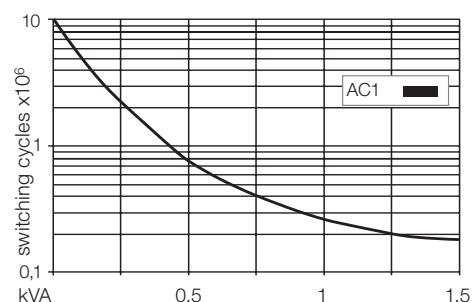
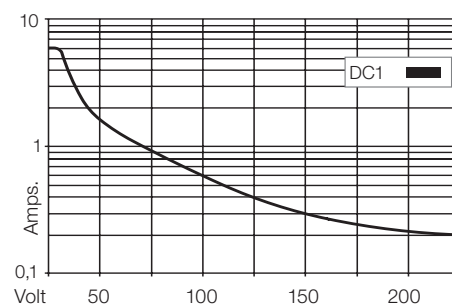
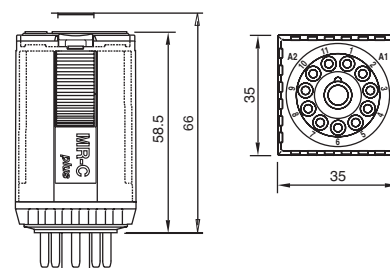
Standard types**VDC 12, 24, 48****Free wheeling diode****Polarity and free wheeling diode****C3-S14/DC ... V****C3-S14D/DC ... V****C3-S14F/DC ... V****C3-S18/DC ... V****C3-S18D/DC ... V****C3-S18F/DC ... V****Connection of diodes to the coil will increase the release time.****LED available upon request.**

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

Accessories

Socket:

Optional accessories (blanking plug):

**S3-B, S3-S, S3-L, S3-P, S3-P0, S3-MP, S3-MS
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