

MRC series

C5-A3x

11-pin, power relay, 3-pole, plug-in, faston

Type	C5-A3x/ ... V Power relays, 3 change-over contacts			
Maximum contact load	16 A/400 V	AC1	0,5 A/110 V	DC1
	16 A/30 V	DC1	0,2 A/220 V	DC1
Recommended minimum contact load	1 mA/10 V	(with 10 μ Au)		
	10 mA/10 V	(standard contact)		

Contacts			
Material	Standard	Code 0	AgNi
	Optional	Code 8	AgNi + 10 µ Au
	Optional	Code 9	AgNi + 0,2 µ Au
Rated current			16 A
Switch-on current max. (20 ms)			40 A
Switching voltage max.			400 V
AC load			4 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	2,4 VA (AC)/1,4 W (DC)			

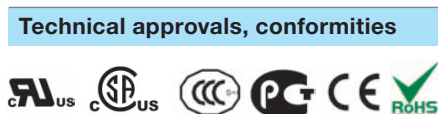
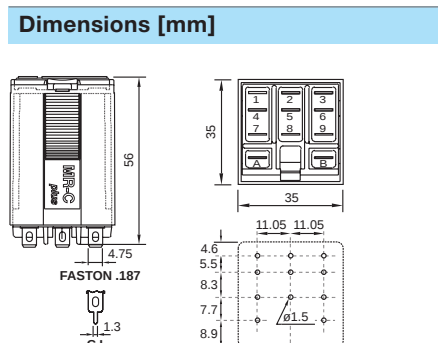
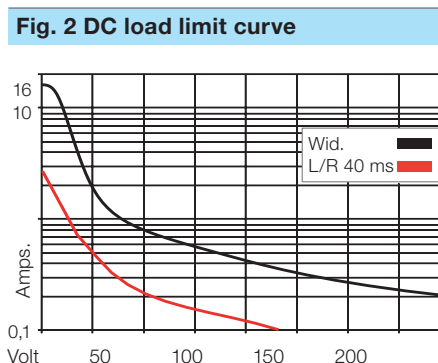
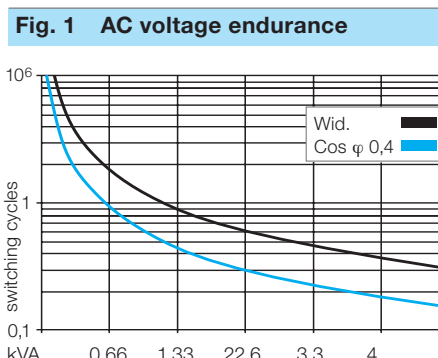
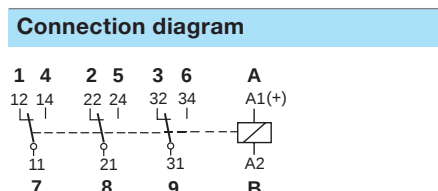
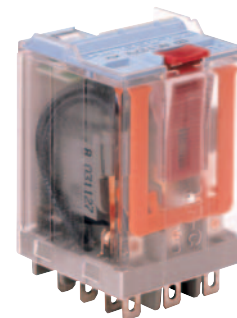
Coil table					
VAC	Ω	mA	VDC	Ω	mA
24	65	100	24	414	58
48	286	50	48	1K6	30
115	1K7	21	110	8K1	13
230	6K8	10	220	34K5	6,5
400	18K8	6			

Insulation	Volt rms, 1 min
Contact open	1000 V
Contact/contact	4 kV
Contact/coil	4 kV
Insulation resistance at 500 V	≥3 GΩ
Insulation, IEC 61810-5	4 kV/3

Specifications	
Ambient temperature operation/storage	-40 (no ice)...60 °C /-40 ... 80 °C
Pick-up time/bounce time	20 ms/≤ 3 ms
Release time/bounce time	10 ms/≤ 1 ms
Mechanical life	AC: 10 Mill./DC: 20 Mill. switching cycles
AC voltage endurance at rated load	≥100000 switching cycles
Switching frequency at rated load	≤ 1200/h
Protection class	IP40
Weight	95 g

Standard types			
AC 50 Hz/60 Hz: 24, 48, 115, (120), 230, (240)			
LED			
RC suppresor			
DC 24, 48, 110, 220			
LED			
Free wheeling diode			
Polarity and free wheeling diode			
AC/DC bridge rectifier 24 V, 48 V, 60 V			
"..." Enter the voltage for full type designation			

Accessories	
Socket:	S5-S, S5-L, S5-P, S5-P0
Operational accessories (blanking plug):	SO-NP, SO-OP



IEC 60947; IEC 61810