Plug-in Relays Series MT

MT321012

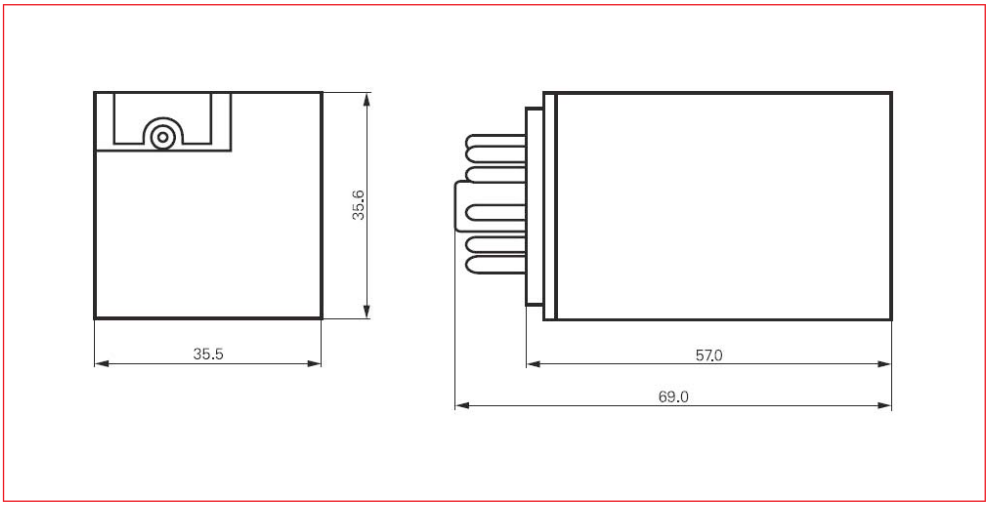
MT78740

MTML0024

Schrack-Info

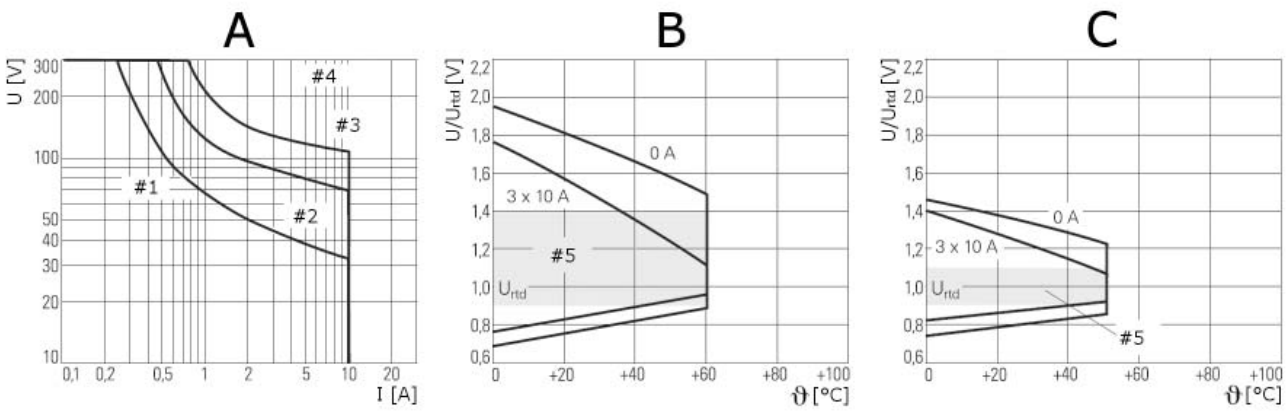
- 2/3 poles 10 A, AC or DC coil
- 2 or 3 CO
- Cadmium-free contact material
- Standard model with mechanical status indicator
- Optional electrical status indicator
- Test switch system: touch protection, lockable with lever integrated in the cap, front access test switch
- Multi-purpose use for industrial system and machine building

Dimensions (mm)



Plug-in Relays Series MT

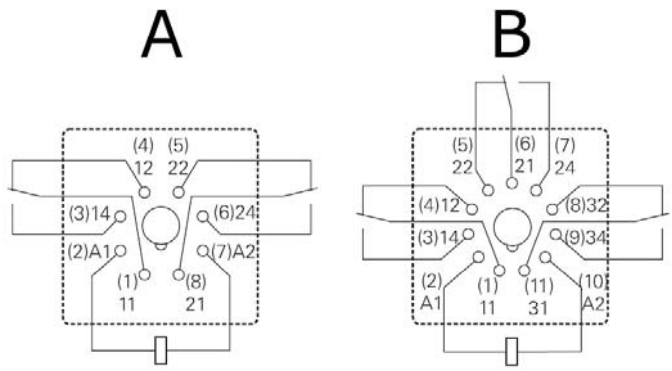
Rated Breaking Capacity & Coil Operating Voltage Range



Rated Breaking Capacity & Coil Operating Voltage Range

A	Max. DC rated breaking capacity
B	Coil operating range DC
C	Coil operating range AC
#1	1 contact
#2	2 contacts in series
#3	3 contacts in series
#4	Resistive load
#5	Recommended voltage range in [V]
U	DC voltage in [V]
U/U_{rtd}	Coil voltage in [V]
I	DC current in [A]
ϑ	Ambient temperature in [°C]

Circuit Diagrams



Circuit diagrams

A	2 CO
B	3 CO

Technical Data

CONTACT DATA		**10 A**
Number of contacts and type		2 CO or 3 CO contacts
Contact style		Single contact
Rated current		10 A
Rated voltage/ max. switching voltage AC		240 / 400 V
Limiting continuous current		10 A
Max. rated breaking capacity AC		2500 VA
Limiting making current, max. 20 ms		20 A
Contact material		AgNi 90/10, AgNi 90/10 hard gold plated
Minimal contact load		12 V / 10 mA, 20 mV / 1 mA hard gold plated
COIL DATA		
Rated voltage	DC coil	6...220 V
	AC coil	6...230 V
Rated power	DC coil	1.2 W
	AC coil	2.3 VA
Operative range, IEC 61810		2
Coil insulation system according to UL1446		Class 130 (B)
Operation-/ release voltage/ coil resistance	24 V DC coil	18 V / 2.4 V / 475 Ω ± 10 %
at ambient temperature 23 °C	24 V AC coil	19.2 V / 7.2 V / 86 Ω ± 10 %
	230 V AC coil	184 V / 69 V / 8300 Ω ± 10 %

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DESCRIPTION	AVAILABLE	ORDER NO.
MT Relays 2 Poles		
12V-DC, 2 CO, 10A		MT221012
24V-DC, 2 CO, 10A		MT221024
12V-AC, 2 CO, 10A		MT226012
24V-AC, 2 CO, 10A		MT226024
115V-AC, 2 CO, 10A		MT226115
230V-AC, 2 CO, 10A		MT226230
230V-AC, 2 CO, 10A with LED		MT228230
Socket for MT Relays 2 Poles		
DIN rail mounted plug-in socket for MT2 relays, 8 pole, 10A (2 CO) with screw terminals, not compatible with function modules		YMR78701
MT Relays 3 Poles		
12V-DC, 3 CO, 10A		MT321012
24V-DC, 3 CO, 10A		MT321024
48V-DC, 3 CO, 10A		MT321048
60V-DC, 3 CO, 10A		MT321060
24V-DC, 3 CO, 10A with protection diode		MT3210C4
110V-DC, 3 CO, 10A		MT321110
110V-DC, 3 CO, 10A with protection diode		MT3211B0
220V-DC, 3 CO, 10A		MT321220
24V-DC, 3 CO, 10A with LED		MT323024
48V-DC, 3 CO, 10A with LED		MT323048
60V-DC, 3 CO, 10A		MT323060
24V-DC, 3 CO, 10A with LED and protection diode		MT3230C4
110V-DC, 3 CO, 10A with LED		MT323110
220V-DC, 3 CO, 10A with LED		MT323220
12V-AC, 3 CO, 10A		MT326012
24V-AC, 3 CO, 10A		MT326024
48V-AC, 3 CO, 10A		MT326048
60V-AC, 3 CO, 10A		MT326060
115V-AC, 3 CO, 10A		MT326115
230V-AC, 3 CO, 10A		MT326230
24V-AC, 3 CO, 10A with LED		MT328024
115V-AC, 3 CO, 10A with LED		MT328115
230V-AC, 3 CO, 10A with LED		MT328230
24V-DC, 3 CO, 10A, gold plated		MT331024
110V-DC, 3 CO, 10A, gold plated		MT331110
220V-DC, 3 CO, 10A, gold plated		MT331220
24V-DC, 3 CO, 10A, gold plated		MT333024
24V-DC, 3 CO, 10A, gold plated		MT3330C4
220V-DC, 3 CO, 10A, gold plated with LED		MT333220
230V-AC, 3 CO, 10A, gold plated		MT336230
Socket for MT Relays 3 Poles		
DIN rail mounted plug-in socket for MT3 relays and timer relays series ZR4, 11 pole, 10A (3 CO), with screw terminals, not compatible with function modules		YMR78700
Modules and Sockets for MT Relays, 3 Poles		
DIN rail mounted plug-in socket for MT3 relays, 11 pole, 10A (3 CO), with screw terminals, compatible with function modules		MT78740
LED module red 24V AC/DC for socket MT78740		MTML0024
Protection diode module 1N4007 for socket MT78740		MTMT00A0
RC-Network module 110-240V AC for socket MT78740		MTMU0730
Single function module Delay ON for socket MT78740		MTMZ0W00
Multifunction module for socket MT78740		MTMF0W00

Order no. blue: on stock, usually ready for delivery on the day of order