

Data Sheet for Article: MU321048--

Plug-in Relay, 11 pin, 3 CO, 48VDC, 10A

Compatible with MT321048--



Technical Data

Min. ambient temperature (°C)	-10
Max. ambient temperature (°C)	55
Switching contacts	3 CO
Contact current (A)	10
DC coil (V)	48
Rated current [Resistive load] (A)	10
Rated voltage [Resistive load]	250VAC / 30VDC
Switching capacity [Resistive]	2500VA / 300W
Contact material	Ag alloy
Initial contact resistance (Ohm)	≤50mΩ
Electrical endurance (Operation cycle)	≥ 10 ⁵ operations (1800 operations/h)
Mechanical durability	≥ 10 ⁷ operations (18000 operations/h)
Pick-up voltage DC (V)	≤ 80% (Bemessungsspannung)
Drop-out voltage DC	≥ 10% (Rated voltage)
Maximum voltage (V)	110% (Rated voltage)
Insulation resistance (MΩ*km)	≥ 100mΩ (500VDC)
Operate time [at nominal voltage] (ms)	≤ 30ms
Release time [at nominal voltage] (ms)	≤ 20ms

Technical Data - continued

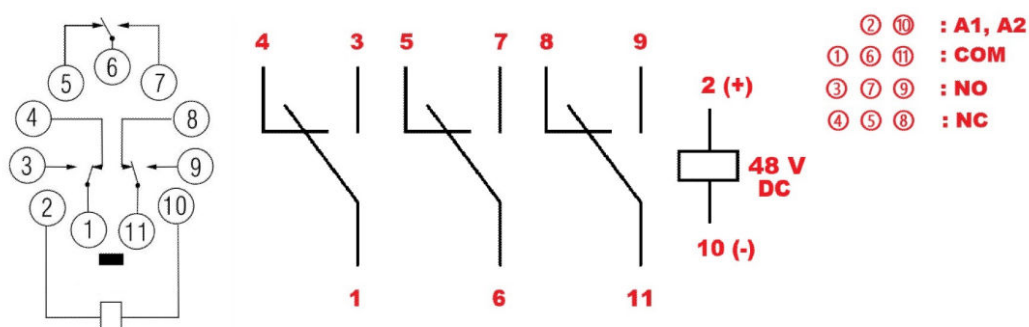
Initial breakdown voltage

Between open contacts	1000VAC/1min
Between poles	2500VAC/1min
Between contact and coil	2500VAC/1min
Humidity (%)	35% - 85% RH
Air pressure	86 - 106kPa
shock resistance	10G
Vibration resistance	10 - 55Hz

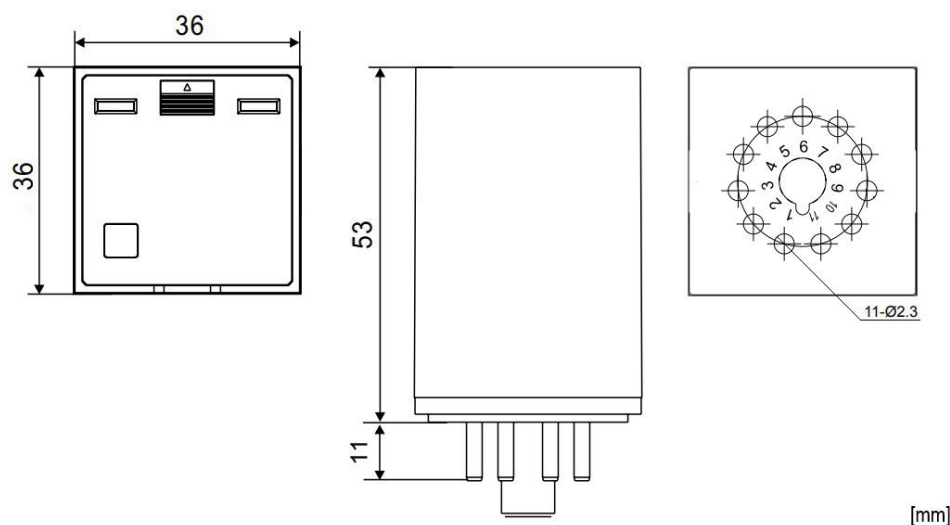
Coil information

Rated voltage	48V-DC
Coil resistance	1640Ω
Net weight (kg)	0,09
Power loss (W)	1,44

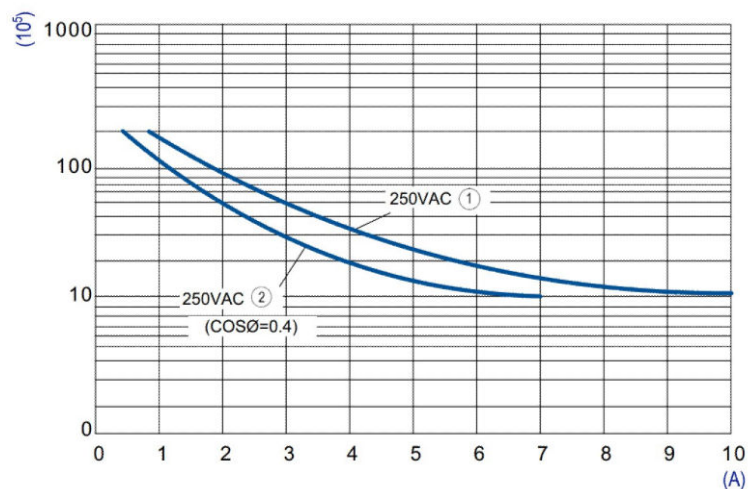
Circuit diagram: Plug-in Relay, 11 pin, 3 CO, 48VDC, 10A



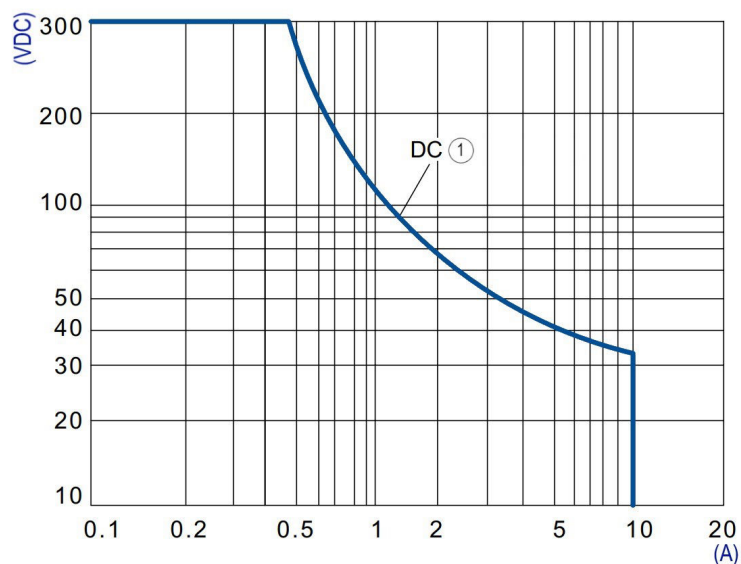
Dimensioned drawing: Plug-in Relay, 11 pin, 3 CO, 48VDC, 10A



Electrical Durability Contacts 1) resistive load 2) inductive load



Maximum Switching Capacity 1) resistive load



Article Table

DESCRIPTION	Order No.
Plug-in Relay, 11 pin, 3 CO, 48VDC, 10A Compatible with MT321048--	MU321048
Optional Accessories	
Socket, screw connection, 11 pole, 12A for 3 pole MU relays Compatible with 3 pole MT-Relay	YMU78740