

C16-A25PTL

2 pole | 8-pin | changeover contact | Grid 5mm

Maximum contact load	7 A/250V AC-1
	7 A/30V DC-1
Recommended minimum contact load	1 mA/1V AC/DC

Contacts	
Material	⚡ AgSnO ₂
Rated Load	7 A
Switching voltage max.	250V
Max. inrush current (500 ms)	15 A
Bounce time	2 ms

Coil	
Coil resistance	see table; tolerance ± 10 %
Pick-up voltage	75 % of U _N (DC) / 80 % of U _N (AC)
Release voltage	≤ 0.1 U _N (DC) / ≤ 0.3 U _N (AC)
Nominal power	1 VA (AC) / 0.53 W (DC) @ 23 °C

Coil Data (DC voltage)

Coil Voltage Code	Nominal Voltage (V DC)	Coil Resistance (Ω) ± 10 %	Must operate voltage max. (VDC)	Must release voltage min (VDC)
12	12	270	9.00	1.2
24	24	1080	18.00	2.4
36	36	1350	27.00	3.6
48	48	4340	36.00	4.8
110	110	22830	82.5	11

Coil Data (AC voltage 50/60Hz)

Coil Voltage Code	Nominal Voltage (VAC)	Coil Resistance (Ω) ± 10 %	Must operate voltage max. (VAC)	Must release voltage min (VAC)	Max. allowable voltage (VAC)
24	24	253	19.2	7.2	26.4
110	110	5819	88.0	33	121
230	230	23276	184	69	253

Insulation

Insulation resistance (coil to contact)	≥ 100 MΩ @ 500V DC, 50 %RH
Dielectric strength	5 kV
Contact/coil	5000 Vrms, 1 min
Contact/contact	1000 Vrms, 1 min

Specifications

Ambient temperature operation/storage	-55 ... 70 °C / -55...70 °C (no ice)
Pick-up time	10ms
Release time	5 ms
Mechanical/electrical life ops	≥ 1 × 10 000 000 / 1 × 100 000
Weight	17 g
Max. switching frequency	20Hz
Tightness	RT2

Product References

V AC 50 Hz/60 Hz: 24, 110 (120), 230 (240)
V DC 12, 24, 48

C16-A25PTL/AC...V
C16-A25PTL/DC...V

Other voltages on request

"..." List Coil Voltage to complete Product References

Accessories

Socket	S16-M
Retaining clip, plastic	CP-16
Modules	See datasheet socket S16-M



Connection diagram

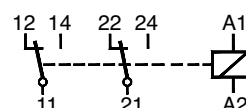
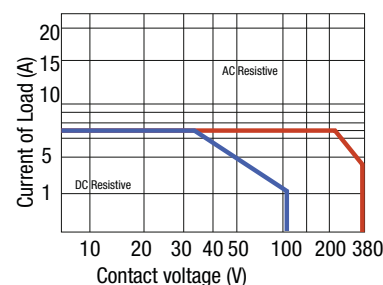
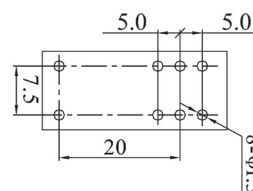
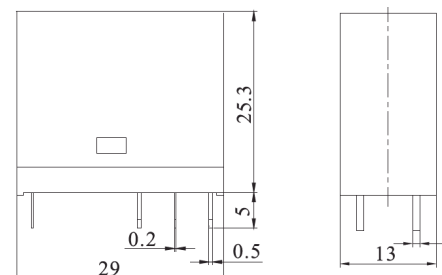


fig. 1 Max. Operating Power Curve



Dimensions (mm)



Technical approvals, conformities

