

Type **C18-A15PTL/...V**
Standard relay, 1 change-over contact

Maximum contact load **10 A/240 V AC-1**

10 A/28 V DC-1

Recommended minimum contact load **1 mA/1 V AC/DC**

Contacts

Material	Code 5	AgSnO ₂
Rated current		10 A
Switching voltage max.		240 V
Switch-on current max. (500ms)		25 A

Coil

Coil resistance	see table; tolerance $\pm 10\%$
Pick-up voltage	$> 3\text{ V DC} / > 6\text{ V AC}$
Release voltage	$\geq 0,1 U_N / \text{AC} \geq 0,3 U_N$
Nominal power	1 VA (AC)/0,53 W (DC)

Coil Data (DC voltage)

Coil Voltage Code	Nominal Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	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			
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) $\pm 10\%$	Must operate voltage max. (VAC)	Must release voltage min (VAC)	Max. allowable voltage (VAC)
24	24	201.6	19.2	7.2	26.4
110	110	4235	88.0	33	121
230	230	18515	184	69	253

Insulation

Insulation resistance	$\leq 100\text{ M}\Omega$ at 500 V DC, 50 % RH
Dielectric strength	5 kV
Coil to contact	5000 Vrms, 1 min
Contact to contact	1000 Vrms, 1 min

Specifications

Ambient temperature operation/storage	-55 (no ice) ... $70\text{ }^\circ\text{C}$ / -55 ... $70\text{ }^\circ\text{C}$
Pick-up time	$\leq 20\text{ ms}$
Release time	$\leq 10\text{ ms}$
Mechanical life ops	$\geq 10\text{ Mill.}$
Weight	17 g

Standard types

VAC 50 Hz/60 Hz: 24, 110 (120), 230 (240)

VDC 12, 24, 36, 48, 110

C18-A15PTL/AC...V

C18-A15PTL/DC...V

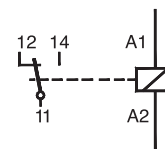
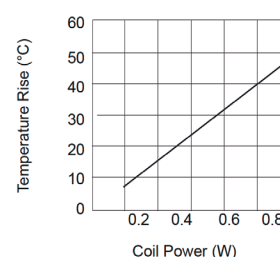
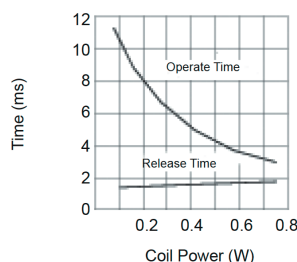
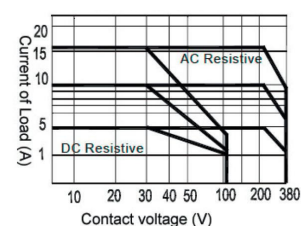
"..." Enter the voltage for full type designation

Accessories**Accessories**

Socket:	S16-M
Retaining clip, plastic:	CP-16

Technical approvals, conformities

IEC 61810; EN 60947

**Connection diagram****Fig. 1 Coil Temperature Rise****Fig. 2 Operate/Release Time****Fig. 3 Max. Operating Power Curve****Dimensions [mm]**