

PCB mount relays



type		30 series	32 series	34 series		36 series
description		sub-miniature dual-in-line PCB mount	miniature low profile sensitive	ultra-slim PCB, low absorption	ultra-slim PCB, solid state	sugar-cube PCB low consumption
contact specification		30.22	32.21	34.51	34.81	36.11
contact configuration		2 CO (DPDT)	1 CO (SPDT)	1 CO (SPDT)	1 NO (SPST)	1 CO (SPDT)
rated current	A	2	6	6	2	10
maximum peak current	A	3	15	10	20	15
rated voltage	V	125	250	250	24	250
maximum peak voltage	V	250	400	400	33	250
rated load AC1	VA	125	1500	1500	1mA	2500
rated load AC15 (230V AC)	VA	25	250	300	-	500
single phase motor (230V AC)	kW	-	0.185	0.185	-	0.37
breaking capacity DC1 30/110/220V	A	2/0.3/-	3/0.35/0.2	6/0.2/0.12	2/-/-	10/0.3/0.12
minimum switching load	mW (V / mA)	10(0.1/1)	500(10/5)	500(12/10)	-	500(5/100)
standard contact material		AgNi + Au	AgCdO	AgNi	-	AgCdO
coil specification						
nominal voltage (U _N)	V AC	-	-	-	-	-
	V DC	5-6-9-12-24-48	12-24-48	5-12-24-48	24	5-6-9-12-24-48
rated power AC/DC	VA (50Hz) / W	- 0.2	- 0.2	- 0.17	-	- 0.36
operating range (U _N)	AC	-	-	-	-	-
	DC	0.78...1.5	0.78...1.5	0.7...1.5	16-30	0.75...1.5
holding voltage (U _N)	AC / DC	- 0.35	- 0.4	- 0.4	-	- 0.4
must drop-out voltage (U _N)	AC / DC	- 0.05	- 0.1	- 0.05	10	- 0.1
technical data						
mechanical life AC/DC	cycles	- 10.10 ⁶	- 20.10 ⁶	- 10.10 ⁶	-	- 10.10 ⁶
electrical life AC/DC	cycles	- 10.10 ³	- 100.10 ³	- 60.10 ³	-	- 100.10 ³
operate / release time	ms	6 2	6 4	5 3	0.1 0.3	7 3
insulation according to EN 61810-1 ed.2		1.2kV/2	4kV/2	4kV/3	-	2.5kV/2
insulation between coil and contacts (1.2/50 μs) kV		1.5	5	6	2.5	4
dielectric strength between open contacts	V AC	750	1000	1000	-	1000
ambient temperature range	°C	-40...+85	-40...+85	-40...+85	-20...+60	-40...+85
termination		PCB	PCB	PCB	PCB	PCB
dimensions (H) x (W) x (D)		11.4 x 20.3 x 10.1	10.7 x 20.3 x 10.2	15 x 28 x 5	15.5 x 28 x 5	17.5 x 21.5 x 15.5
variations		-	-	-	-	-