



30 series Subminiature DIL relay (11.4 x 20.3 x 10.1 mm)

- 2-pole changeover contacts low level switching capability - 2A
- Sensitive DC coil - 200mW
- Wash tight: RT III

type	switch current	description	contact	pin pitch (mm)	coil voltage
302270120010	2A	sealed DIL PCB relay	2 ch/over	5.08	12 VDC
302270240010	2A	sealed DIL PCB relay	2 ch/over	5.08	24 VDC
302270480010	2A	sealed DIL PCB relay	2 ch/over	5.08	48 VDC

32 series Subminiature low profile relay (10.7 x 20 x 10 mm)

- 1-pole changeover contacts - 6A
- Sensitive DC coil - 200mW
- Wash tight: RT III

322170124000	6A	low profile PCB relay	1 ch/over	7.62	12 VDC
322170244000	6A	low profile PCB relay	1 ch/over	7.62	24 VDC
322170484000	6A	low profile PCB relay	1 ch/over	7.62	48 VDC

34 series Ultra-slim relay (5 mm) (15 x 28 x 5 mm)

EMR - Electromechanical relays

- 1-pole changeover contact - 6A
- Sensitive DC coil - 170mW
- 8 mm clearance/creepage distance
- 6kV (1.2/50 µs) insulation, coil-contacts

345170050010	6A	ultra-slim PCB relay	1 ch/over	5	5 VDC
345170120010	6A	ultra-slim PCB relay	1 ch/over	5	12 VDC
345170240010	6A	ultra-slim PCB relay	1 ch/over	5	24 VDC
345170480010	6A	ultra-slim PCB relay	1 ch/over	5	48 VDC
345170600010	6A	ultra-slim PCB relay	1 ch/over	5	60 VDC

SSR - Solid State relays

Silent, high speed switching with long electrical life

- 1-NO single circuit switching - 6A, 24 VDC / 2A, 240 VAC
- Sensitive DC input circuit
- 3.000 V insulation, input-output

				operating		switching	
348170129024	6A	slim solid state relay	1 NO	8 - 17 VDC	1.5 - 33 VDC		
348170249024	6A	slim solid state relay	1 NO	16 - 30 VDC	1.5 - 33 VDC		
348170609024	6A	slim solid state relay	1 NO	35 - 72 VDC	1.5 - 33 VDC		
348170248240	2A	slim solid state relay	1 NO	16 - 30 VDC	12 - 275 VAC		
348170608240	2A	slim solid state relay	1 NO	35 - 72 VDC	12 - 275 VAC		

9311 PCB-mount socket with hinged retain/release clip for 34 series relays

36 series Miniature "sugar cube" relay (15.5 x 19 x 15.2 mm)

- 1-pole changeover contact 10A
- DC coil - 360mW
- Wash tight: RTIII

361190124011	10A	"sugar cube" PCB relay	1 ch/over	-	12 VDC
361190244011	10A	"sugar cube" PCB relay	1 ch/over	-	24 VDC

41 series Low-profile PCB relay (15.7 x 29 x 12.6 mm)

- 1 and 2 pole changeover contact 8/12/16A
- DC coil - 400mW
- 8mm 6kV (1.2/50 µs) insulation, coil-contacts
- Flux proof: RT II (*standard*)

EMR - Electromechanical relays

413190120010	12A	low-profile PCB relay	1 ch/over	3.5	12 VDC
413190240010	12A	low-profile PCB relay	1 ch/over	3.5	24 VDC
416190120010	16A	low-profile PCB relay	1 ch/over	5	12 VDC
416190240010	16A	low-profile PCB relay	1 ch/over	5	24 VDC
415290120010	8A	low-profile PCB relay	2 ch/over	5	12 VDC
415290240010	8A	low-profile PCB relay	2 ch/over	5	24 VDC

SSR - Solid State relays

- 1-NO single circuit switching 3/5A
- Silent, high speed switching with long electrical life
- 2.500 V insulation, input-output

				operating		switching	
418170249024	5A	solid state PCB relay	1 NO	14 - 32 VDC	1.5 - 24 VDC		
418170248240	3A	solid state PCB relay	1 NO	14 - 32 VDC	12 - 275 VAC		

Other voltages available on request.



4051...



4061...



4052...



4062...



9505SPA



ER902220



95152SMA



ES50CNER



4341...



9523SNA

40 series Miniature PCB relays (25 x 29 x 12.4 mm)
 • 8 mm, 6kV (1.2/50µs) isolation, coil-contacts • Flux proof: RT II (standard)

type	current	description	contact	pin pitch	coil voltage
405180120000	10A	miniature PCB relay	1 ch/over	5 mm	12 VAC
405180240000	10A	miniature PCB relay	1 ch/over	5 mm	24 VAC
405180480000	10A	miniature PCB relay	1 ch/over	5 mm	48 VAC
405181100000	10A	miniature PCB relay	1 ch/over	5 mm	110 VAC
405182400000	10A	miniature PCB relay	1 ch/over	5 mm	240 VAC
405190120000	10A	miniature PCB relay	1 ch/over	5 mm	12 VDC
405190240000	10A	miniature PCB relay	1 ch/over	5 mm	24 VDC
405190360000	10A	miniature PCB relay	1 ch/over	5 mm	36 VDC
405190480000	10A	miniature PCB relay	1 ch/over	5 mm	48 VDC
405191100000	10A	miniature PCB relay	1 ch/over	5 mm	110 VDC
406180120000	16A	miniature PCB relay	1 ch/over	5 mm	12 VAC
406180240000	16A	miniature PCB relay	1 ch/over	5 mm	24 VAC
406180480000	16A	miniature PCB relay	1 ch/over	5 mm	48 VAC
406181100000	16A	miniature PCB relay	1 ch/over	5 mm	110 VAC
406182400000	16A	miniature PCB relay	1 ch/over	5 mm	240 VAC
406190120000	16A	miniature PCB relay	1 ch/over	5 mm	12 VDC
406190240000	16A	miniature PCB relay	1 ch/over	5 mm	24 VDC
406190360000	16A	miniature PCB relay	1 ch/over	5 mm	36 VDC
406190480000	16A	miniature PCB relay	1 ch/over	5 mm	48 VDC
406191100000	16A	miniature PCB relay	1 ch/over	5 mm	110 VDC
405280120000	8A	miniature PCB relay	2 ch/over	5 mm	12 VAC
405280240000	8A	miniature PCB relay	2 ch/over	5 mm	24 VAC
405280480000	8A	miniature PCB relay	2 ch/over	5 mm	48 VAC
405281100000	8A	miniature PCB relay	2 ch/over	5 mm	110 VAC
405282400000	8A	miniature PCB relay	2 ch/over	5 mm	240 VAC
405290120000	8A	miniature PCB relay	2 ch/over	5 mm	12 VDC
406290120000	10A	miniature PCB relay	2 ch/over	5 mm	12 VDC
405290240000	8A	miniature PCB relay	2 ch/over	5 mm	24 VDC
406290240000	10A	miniature PCB relay	2 ch/over	5 mm	24 VDC
405290360000	8A	miniature PCB relay	2 ch/over	5 mm	36 VDC
405290480000	8A	miniature PCB relay	2 ch/over	5 mm	48 VDC
405291100000	8A	miniature PCB relay	2 ch/over	5 mm	110 VDC

Other voltages available on request.

Other configurations: replace 5th digit with following: (e.g. 405160120000)

- 6 Bistable (single coil) version
- 7 DC sensitive coil version 0.5 W

Sockets and accessories for 40 series relays

		for relay
95152SMA	PCB mount socket (with retaining clip) for relay	40 series
9505SPA*	surface/DIN mount socket (screw terminal) with retaining clip	40 series
95P5SPA*	surf/DIN mount socket (push-in terminal) with retaining clip	40 series
09518	8 way jumper link for sockets	9505
09758	8 way jumper link for sockets	95P5
46392/PS	sheet of (48) marking tags (mounts onto retain clip or holder)	9505/P5
09700	tag holder for 46392/PS (mounts directly onto socket) (10pcs)	9505/P5

* Accepts plug-in LED, diode, timing modules (plugs directly into socket) see page J-8

ES50CNER	Ersce black surface/DIN mount socket (screw terminal)	40 series
ER902220	spring securing/release clip for socket (10pcs)	ES50
ER902230	clip-on marking plate (top or bottom) for socket (10pcs)	ES50

43 series Low-profile slimline PCB relays (15.4 x 28.6 x 10.2 mm)

- 1-pole changeover contact 10A
- Very high coil-contact isolation 10 mm, 6kV (1.2/50µs)
- Flux proof: RT II (standard)

434170122000	10A	low profile slim PCB relay	1 ch/over	3.2 mm	12 VDC
434170242000	10A	low profile slim PCB relay	1 ch/over	3.2 mm	24 VDC
9523SNA		PCB-mount socket 43 series relay (with retaining clip)			4341