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MOTION CONTROL



WHAT'S INSIDE

Power PCB Relays up to 16A

Relays, Contactors & Circuit Breakers

Key Features

SCHRACK PE

Low height 10.0mm
Sensitive 200mW coil
Mono-or bistable coil
WG type available (IEC 60335-1)

SCHRACK RE/REL

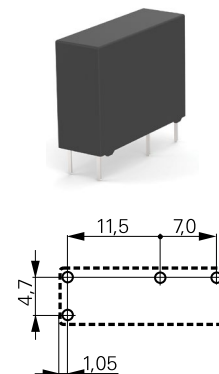
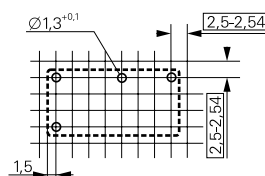
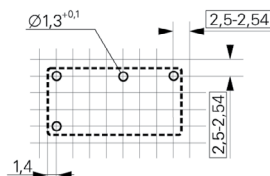
Miniature PCB relays
PCB area 200mm²
Wash tight

PCJ

Slim outline
Sensitive coil 200mW
WG type available (IEC 60335-1)
Ambient temperature up to 105°C

Footprint

2) see footnote below



Applications

Industrial electronics
White goods
Measurement and control

PLC; Timers; I/O cards
Temperature control
White goods

Home applications
HVAC

Contact Data

Contact arrangement	1 form C (CO)	1 form A (NO)	1 form A (NO)
Rated voltage	250VAC	250VAC	250VAC
Rated current	5A (CO) 6A (NO)	6/5A	3A/5A (WG type)
Switching power / Max. break	1250VA	1500/1250VA	750VA/1250VA (WG type)
Contact material	AgNi 90/10, AgSnO ₂	AgNi 0.15, AgNi 90/10	AgNi
Min. recommended contact load	1) see footnote below	1) see footnote below	100mA at 5VDC

Coil Data

Magnetic system	DC, bistable	DC	DC
Rated coil voltage	3 to 48VDC	5 to 48VDC	5 to 24VDC
Rated coil power	200mW	200/360mW	200mW

Dielectric Strength

Initial dielectric strength			
between open contacts	1000Vrms	1000Vrms	750Vrms
between contact and coil	4000Vrms	4000/3000Vrms	4000Vrms
between adjacent contacts			
Clearance/creepage			
between contact and coil	3.2/4mm	4/4mm	8/>8mm

Other Data

Ambient temperature (max.)	+ 85°C	+70°C (RE)/ + 85°C (REL)	+ 85/ +105°C (WG type)
Category of environmental protection IEC61810	RTII, RTIII	RTIII(RE), RTII(REL)	RTII, RTIII
Terminal type	THT	THT	THT
Mounting	PCB	PCB	PCB
Dimensions	20x10x10mm	20x10x10.6mm/20.7x10.7x12mm	20.4x7x15mm

Accessories

Link to datasheet	SCHRACK PE	SCHRACK RE SCHRACK REL	PCJ
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1) Recommended minimum load indication for contact material: AU and gold plated: 1mA at 6VDC; AgNi0.15 and AgNi90/10: 10mA at 12VDC; AgCdO and AgSnO₂: 100mA at 12VDC. Please contact technical support for detailed technical data.

2) Footprint images are representative. For a complete selection, refer to the TE data sheet via the link above.