

## Power PCB Relays up to 16A

Relays, Contactors & Circuit Breakers

### Key Features

#### SCHRACK RZ

High performance version available  
Reinforced insulation  
High ambient temperature version (105°C)  
WG type available (IEC 60335-1)  
AgNi and AgSnO contact versions  
THR (reflow) version

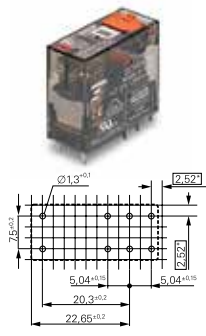
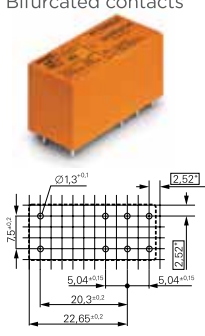
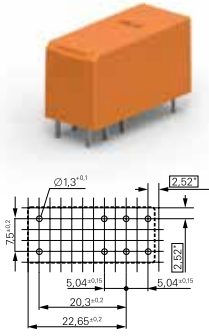
#### SCHRACK RT

DC and AC coil  
Mono-or bistable coil  
Reinforced insulation  
WG type available (IEC 60335-1)  
High ambient temperature version (105°C)  
THR (reflow) version  
Sensitive version  
Bifurcated contacts

#### SCHRACK INTERFACE RELAY XT

Manual test tab, optionally lockable  
Mechanical and electrical indicator  
Reinforced insulation  
4kV/8mm dielectric strength between coil and contact

### Footprint



### Applications

Household appliances  
HVAC, Home automation  
Machine control, Energy control

HVAC, Home automation,  
Machine control, Energy control  
Switching cabinet, Interface modules

Panel boards  
Mechanical engineering

### Contact Data

Contact arrangement	1 form C (CO) 1 form A (NO)	1 form C (CO), 1 form A (NO) 2 form C (CO), 2 form A (NO)	1 form C, (1 CO) 2 form C, (2 CO)
Rated voltage	250VAC	250VAC	240VAC
Rated current	16A	2X8/16A	8/16A
Switching power	4000VA	2X2000/4000VA	2000/4000VA
Contact material	AgNi90/10, AgSnO <sub>2</sub>	AgNi90/10, AgSnO <sub>2</sub>	AgNi90/10
Min. recommended contact load	1) see footnote below	1) see footnote below	10mA at 12VDC

### Coil Data

Magnetic system	DC	DC, AC, bistable	DC, AC
Rated coil voltage	5 to 48VDC	5 to 110VDC/24 to 230VAC	12 to 110VDC/24 to 230VAC
Rated coil power	400mW	400mW/0.75VA	400mW/0.75VA

### Dielectric Strength

Initial dielectric strength			
between open contacts	1000Vrms	1000Vrms	1000Vrms
between contact and coil	5000Vrms	5000Vrms	4000/5000Vrms
between adjacent contacts		2500Vrms	2500Vrms
Clearance/creepage			
between contact and coil	>10/10mm	>10/10mm	≥8/8mm

### Other Data

Ambient temperature (max.)	+85°C +105°C (HOT type) +70°C (transparent cover type)	+75°C (AC type) +85°C	+70/+85°C
Category of environmental protection IEC61810	RTII, RTIII	RTII, RTIII	RTII
Terminal type	THT	THT, THR (DC and AC type)	Plug-in
Mounting	PCB	PCB or on socket	Socket
Dimensions (lwh)	29x12.7x15.7mm	29x12.7x15.7mm	29x13x26.7mm
Accessories		PCB and DIN rail sockets	DIN rail and PCB sockets, clips, marking tags, modules, jumper bars

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 AgSnO<sub>2</sub>: 100mA at 12VDC. Please contact technical support for detailed technical data.