

Miniature Power PCB RY II & RY II reflow-solderable (Continued)

Insulation	CO contact	NO contact
Dielectric strength coil-contact circuit		5000 V _{eff}
open contact circuit		1000 V _{eff}
Clearance / creepage coil-contact circuit		≥ 8 / 8 mm
Material group of insulation parts		IIIa
Tracking index of relay base		PTI250, PTI 175*
Insulation to IEC 60664-1		
Type of insulation coil-contact circuit		reinforced
open contact circuit		functional
Rated insulation voltage	250 V	250 V
Pollution degree	3	2
Rated voltage system	230 V	400 V
Overvoltage category	III	III

Other data

RoHS - Directive 2002/95/EC	compliant as per product date code 0403
Flammability class according to UL94	V-0
GWFI to IEC 60335-1	> 850 °C**
GWT to IEC 60335-1	> 750 °C**
Ambient temperature range	-40...+70°C
Ambient temperature max.	85°C at 6A
Operate- / release time	typ. 7 / 3 ms
Bounce time NO / NC contact	typ. 2.5 / 4.5 ms
Vibration resistance (function) NO / NC contact	20 / 5 g
Shock resistance (function) NO / NC contact	20 / 5 g
Shock resistance (destruction)	100 g
Category of protection	RTII-flux proof, RTIII- wash tight**
Mounting	pcb
Mounting position	any
Minimum mounting distance	≥ 0 mm
Soldering heat resistance flux proof version	270°C / 10 s
wash tight version	260°C / 5 s
Relay weight	8 g
Packaging unit	20 / 500 pcs

Accessoires

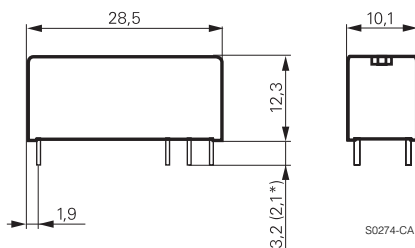
For technical details see datasheet Accessoires RYII

* reflow-solderable version

** not as reflow-solderable version

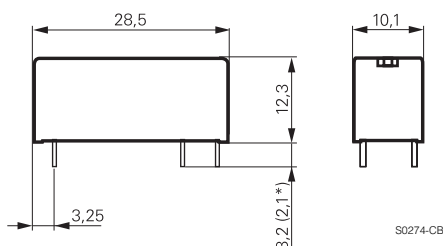
Dimensions

Pinning 3.2 mm



S0274-CA

Pinning 5 mm

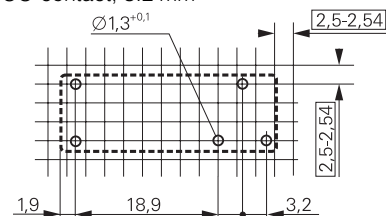


S0274-CB

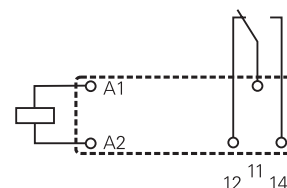
PCB layout / terminal assignment

Bottom view on solder pins

1 CO contact, 3.2 mm

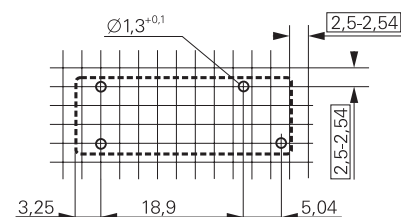


S0254-AA

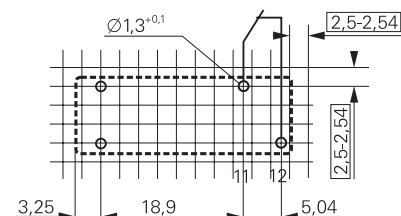


S0254-AB

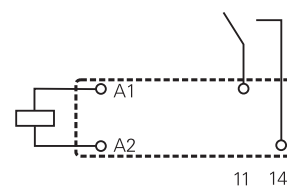
1 NO, 1 NC contact 5 mm



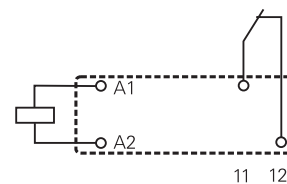
S0254-AC



S0254-AE



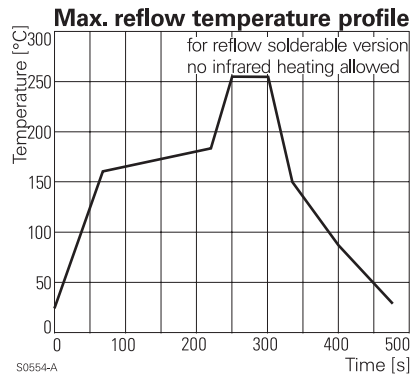
S0254-AD



S0254-AF

Miniature Power PCB RY II & RY II reflow-solderable (Continued)

Soldering profile for reflow-solderable version



Product key

Type

Version

2 pinning 3.2 mm, flux proof
5 pinning 5 mm, flux proof

6 pinning 3.2 mm, wash tight **)
A pinning 5 mm, wash tight **)

Contact configuration

1 1 CO contact, pinning 3.2 mm

3 1 NO contact, pinning 5 mm

Contact material

0 AgCdO
1 AgNi 0.15

2 AgNi 0.15 gold plated
3 AgSnO₂

Coil

Coil code: please refer to coil versions table

Version

Blank standard version
R reflow-solderable

**) not as reflow-solderable version

Other types on request

R	Y						
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Miniature Power PCB RY II & RY II reflow-solderable (Continued)

Product key	Version	Contacts	Contact material	Coil	Part number
RY210005	pinning 3.2 mm flux proof	1 CO contact	AgCdO	5 VDC	3-1393224-1
RY210012				12 VDC	3-1393224-5
RY210024				24 VDC	3-1393224-8
RY210048				48 VDC	4-1393224-1
RY211005			AgNi 0.15	5 VDC	4-1393224-2
RY211012				12 VDC	4-1393224-6
RY211024				24 VDC	4-1393224-9
RY211048				48 VDC	5-1393224-1
RY212005			AgNi 0.15 gold plated	5 VDC	5-1393224-2
RY212012				12 VDC	5-1393224-5
RY212024				24 VDC	5-1393224-8
RY212048				48 VDC	5-1393224-9
RY213005			AgSnO ₂	5 VDC	6-1393224-0
RY213012				12 VDC	6-1393224-1
RY213024				24 VDC	6-1393224-2
RY213048				48 VDC	6-1393224-3
RY530005	pinning 5 mm flux proof	1 NO contact	AgCdO	5 VDC	6-1393224-6
RY530012				12 VDC	6-1393224-9
RY530024				24 VDC	7-1393224-2
RY530048				48 VDC	7-1393224-4
RY531005			AgNi 0.15	5 VDC	7-1393224-6
RY531012				12 VDC	7-1393224-9
RY531024				24 VDC	8-1393224-2
RY531048				48 VDC	8-1393224-3
RY532012			AgNi 0.15 gold plated	12 VDC	8-1393224-4
RY532024				24 VDC	8-1393224-5
RY533012			AgSnO ₂	12 VDC	8-1393224-8
RY533024				24 VDC	8-1393224-9
RY533048				48 VDC	9-1393224-0
RY610005	pinning 3.2 mm wash tight	1 CO contact	AgCdO	5 VDC	0-1393225-7
RY610012				12 VDC	1-1393225-0
RY610024				24 VDC	1-1393225-4
RY610048				48 VDC	1-1393225-5
RY611005			AgNi 0.15	5 VDC	1-1393225-7
RY611012				12 VDC	1-1393225-9
RY611024				24 VDC	2-1393225-1
RY611048				48 VDC	2-1393225-2
RY612005			AgNi 0.15 gold plated	5 VDC	2-1393225-3
RY612012				12 VDC	2-1393225-6
RY612024				24 VDC	2-1393225-9
RY612048				48 VDC	3-1393225-0
RY613005			AgSnO ₂	5 VDC	5-1419136-2
RY613012				12 VDC	3-1393225-1
RY613024				24 VDC	3-1393225-3
RY613048				48 VDC	3-1393225-4
RYA30005	pinning 5 mm wash tight	1 NO contact	AgCdO	5 VDC	0-1393224-1
RYA30012				12 VDC	0-1393224-4
RYA30024				24 VDC	0-1393224-6
RYA30048				48 VDC	7-1393225-7
RYA31005			AgNi 0.15	5 VDC	0-1393224-7
RYA31012				12 VDC	0-1393224-9
RYA31024				24 VDC	1-1393224-2
RYA31048				48 VDC	1-1393224-3
RYA32005			AgNi 0.15 gold plated	5 VDC	1-1393224-4
RYA32012				12 VDC	1-1393224-6
RYA32024				24 VDC	1-1393224-8
RYA33005			AgSnO ₂	5 VDC	1-1393224-9
RYA33024				24 VDC	2-1393224-1