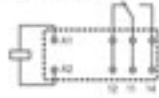




Circuit diagram
View on solder pins
Dimensions in mm

1 CO changeover contacts



General ordering data

Order No.	8870110000
Part designation	RCI314AE8
Version	Relay, 1 CO contact, 48 V DC , 16 A, Plug-in connection
EAN	4032248613489
Qty.	10 pc(s).

Input

Rated control voltage	48 V DC
Pull-in (sparkover) / drop-out voltage DC coil	33.6 V / 4.8 V
Rated current DC	8.7 mA
Power rating	400 mW
Status indicator	LED

Output

Continuous current	16 A
Max. switching power	3000 VA
Max. switching voltage AC	250 V
Sparkover time / Drop-out time	7 ms / 3 ms

Contact data

Number of contacts	1
Contact base material	AgNi 90/10
Mechanical service life	AC coil $5 \cdot 10^5$ / DC coil $10 \cdot 10^5$ switching operations

Rated data

Connection system	Plug-in connection
DIN Rail compatibility	TS 35
UL 94 flammability class	V-0
Weight	14 g
Ambient temperature (operational)	-40 °C...+70 °C

Insulation coordination (EN 50 178)

Clearance and creepage distances for control side 8 mm
- load side

Insulation group	C
Overvoltage category	III
Pollution severity	3
Protection class	IP 20
Rated voltage	250 V
Secure separation acc. to VDE 0106 part 101	Yes

Dimensions

Length	29 mm
Height	25.5 mm
Width	13.7 mm

Approvals

Approvals institutes



Classifications

ETIM 2.0	EC001437
ETIM 3.0	EC001437
eClass 4.1	40-02-06-14
eClass 5.0	27-37-16-01
eClass 5.1	27-37-16-01

Similar products

Order No.	Part designation	Version
8870090000	RCI314AB2	Relay, 1 CO contact, 12 V DC , 16 A, Plug-in connection
8870100000	RCI314AC4	Relay, 1 CO contact, 24 V DC , 16 A, Plug-in connection
8870120000	RCI314BB0	Relay, 1 CO contact, 110 V DC , 16 A, Plug-in connection
8870130000	RCI314R24	Relay, 1 CO contact, 24 V AC , 16 A, Plug-in connection
8870140000	RCI314S15	Relay, 1 CO contact, 115 V AC , 16 A, Plug-in connection
8870150000	RCI314T30	Relay, 1 CO contact, 230 V AC , 16 A, Plug-in connection