

# RP SERIES

## RP3014

3 OPEN CONTACTS, 8 PINS, TPST.

### TYPE

RP3014 ... V  
Power Relay for DC applications  
3 NO

### MAX. CONTACT LOAD

16 A / 400 V AC1 1,2 A / 110 V DC1  
16 A / 30 V DC1 0,4 A / 220 V DC1

### CONTACT

Material Standard AgNi

Rated current / Max. peak current 16 A / 40 A  
Rated voltage / Max. switching voltage AC-1 400 V / 400 V  
Rated load AC15 (250 V) 1 kVA  
Min. switching load 10 V / 10 mA

### COIL

Operation range  $\leq 0,8 \times U_N - 1,1 \times U_N$   
Rated power (AC/DC) 2,4 VA / 1,4 W  
Release voltage  $\geq 0,1 \times U_N$   
Coil resistance  $\pm 10\%$

Coil data

VAC	$\Omega$	mA	VDC	$\Omega$	mA
24	65	100	12	90	133
48	286	50	24	373	66
115	1K7	21	48	1K4	34
230	6K8	10	110	7K6	15
400	18K8	6	220	30K2	7,5

### INSULATION (Vrms, 1 min)

Contact open 2 kV  
Coil / Contacts 4 kV  
Insulation IEC 61810-1 4 kV / 3  
Between contacts 4 kV

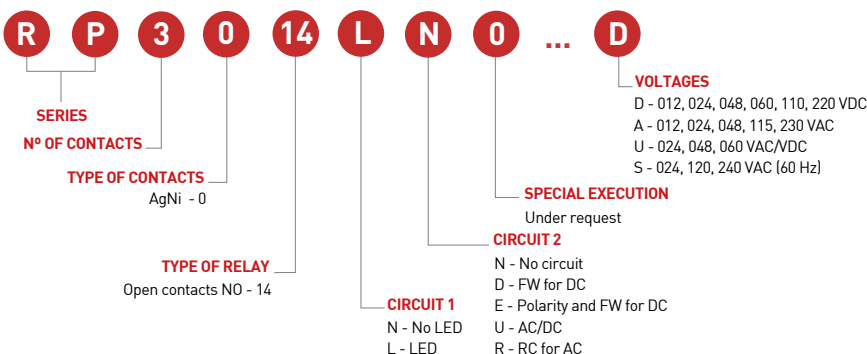
### SPECIFICATIONS

Ambient temperature - 40 °C ... + 80 °C  
Operation / Release time 20 ms / 10 ms  
Protection category IP40  
Electrical life DC / Mechanical life 1·10<sup>5</sup> op / 10·10<sup>6</sup> op (AC) 20·10<sup>6</sup> op (DC)  
Weight 90 g

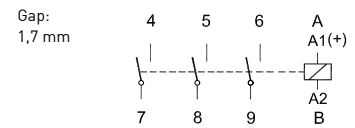
### ACCESSORIES

Sockets SPT30D, SPW30F, SPP30X, SPP30F

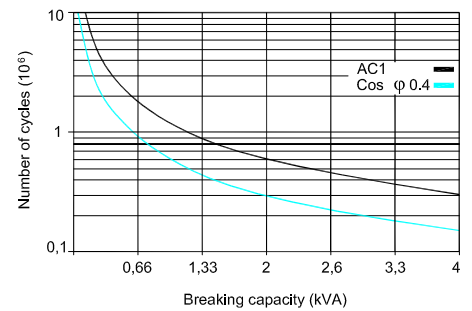
### ORDERING CODE



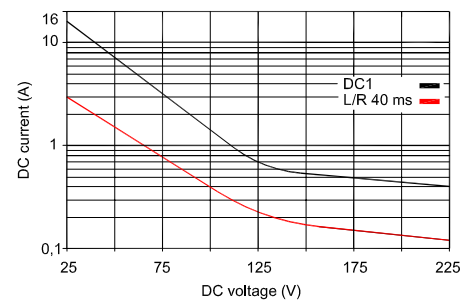
### CONNECTION DIAGRAM



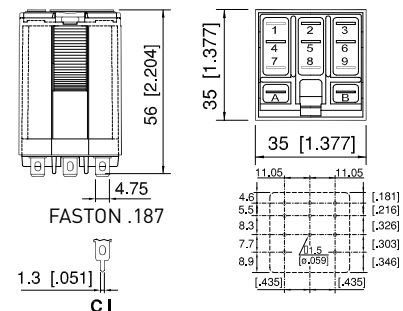
### FIG. 1 ELECTRICAL LIFE AC LOAD



### FIG. 2 MAX. DC BREAKING CAPACITY



### DIMENSIONS mm [inch]



### TECHNICAL APPROVALS



IEC 61810; EN 60947