RER-J1C-XXXX

RER Series industrial Relay

DC wiring diagram

AC wiring diagram

Tracing No.
X X X X X S

Year : 2015=15
Month : Oct.=X,Nov.=Y,Dec.=Z
Day : 01~31th
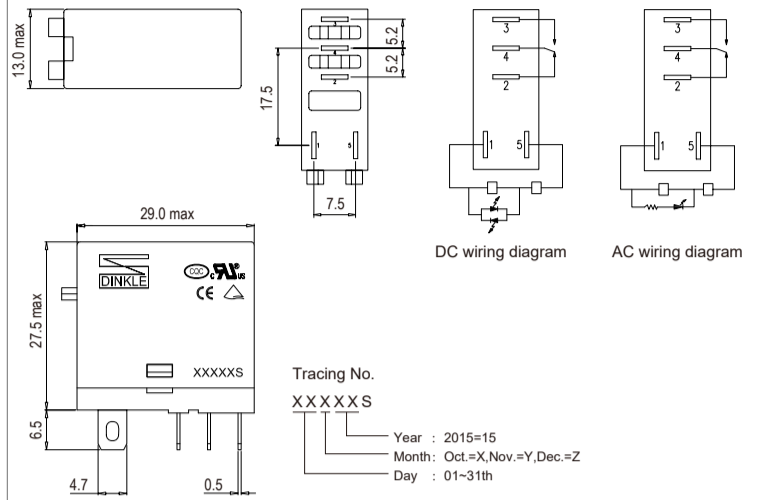
Part Number Description

RER - J1C - XXXX
① ② ③

① J = Spec.
② 1C = No. of contacts
③ XXXX = Voltage

D24 = DC24V
A120 = AC120V
A230 = AC230V

Specification

Coil Characteristics			
Rated voltage	24VDC	120VAC	230VAC
Rated current	21.8mA	7.6mA	4.55mA
Coil resistance	1100Ω±10%	6300Ω±15%	23000Ω±15%
Pull-in voltage (at 23℃)	18V(≤Rated voltage 75%)	96V(≤Rated voltage 80%)	184V(≤Rated voltage 80%)
Drop-out voltage (at 23℃)	2.4V(≥Rated voltage 10%)	36V(≥Rated voltage 30%)	69V(≥Rated voltage 30%)
Max. Allowable voltage (at 23℃)	26.4V(Rated voltage 110%)	132V(Rated voltage 110%)	253V(Rated voltage 110%)
Coil power consumption	0.53W	1.0VA	1.0VA
LED Status display	Green	Red	Red
Contact Characteristics			
No. of contacts	1C		
Resistive load (AC-1)	12A/250VAC, 30VDC		
Motor load (AC-15)	1/3HP, 240VAC, 1/2HP, 240VAC		
Operating power (resistive)	2500VA, 300W		
Min. allowable load	10mA/17V		
Contact material	$AgSnO_2$		
Contact resistance	≤50mΩ		
Dielectric Strength			
Between adjacent contacts	1000VAC/1min		
Between contact and coil	5000VAC/1min		
Insulation resistance	≥1000MΩ (500VDC)		
General Characteristics			
Operate time (rated voltage)	≤20ms		
Release time (rated voltage)	≤10ms		
Operating frequency	18000 Ops/h		
Ambient temperature	-40~+55℃ (Non-freezing condition)		
Ambient humidity	5%~85%RH		
Atmospheric pressure	86~106KPa		
Impact resistance	10G		
Vibration resistance	10~55Hz		
Electrical life (frequency: on for 1s, off for 1s)	$≥10^5$ frequency (1800 Ops/h)		
Mechanical life (frequency: 300 cycles/1 min)	$≥10^7$ frequency (18000 Ops/h)		
Weight per piece	About 19g		