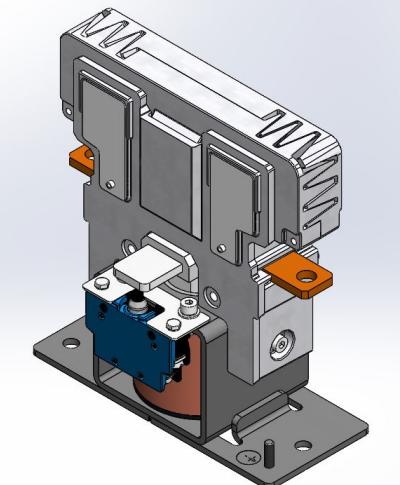


PRODUCT CHART

Base Model - RC100003

RC Contactors are high performance, unidirectional break contactors suitable for operation under DC or AC voltage systems up to 1800V, in both railway or industrial applications.



General Information	
Number of NO main poles	1
Auxiliary Contact Ir	10A
Control type	monostable
Blow out coil	magnetic
Breaking current direction	unidirectional
Validation Chart	TBD
Maintenace Manual	RM00014A
Arc chute material	plastic
Auxiliary contacts	PBX

Electrical Data / Pole

		Values @ 1000V,DC	Values @ 1800V,DC	
Rated operational voltage	Ue	1000	1800	Vdc/ac
Rated insulation / maximum voltage	Ui	2300	2300	Vdc
Rated impulse withstand voltage	Uimp	25	25	kV
Conventional free air thermal current at 40°C (per pole)	Ith 40	300	300	A
Conventional free air thermal current at 75°C (per pole)	Ith 75	250	250	A
Rated operational current (per pole)	le	65	20	A
Rated short time withstand current (per pole)	Icw/t	4/5	4/5	KA/ms
Peak short time withstand current (per pole)	Icw	4	4	KA
Max breaking current DC t=15ms (per pole)	Ibc	130	25	A
Max breaking current AC cosq = 0,8 (per pole)	Ibc	250	60	A
Max making current DC t=15ms (per pole)	Imc	2500	2500	A
Max making current AC cosq= 0,8 (per pole)	Imc	2500	2500	A
Electrical endurance @Ue/le		8000	8000	cycles

Mechanical and Environmental Data

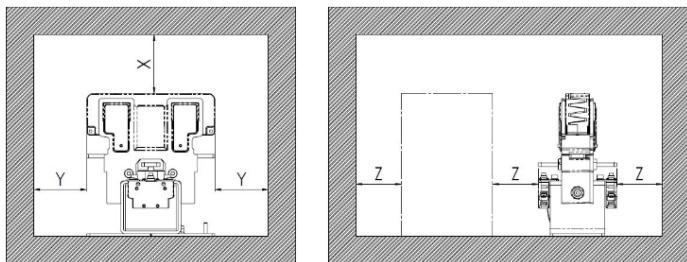
Pollution degree / overvoltage category	EN 50124	PD3/OV3
Component category	EN 50124	A2/C3
Shock and vibration	IEC 61373	Cat 1 / class B
Mechanical endurance	cycles	2mil
Closing/opening time at Vc nom	ms	100/40
Weight	lbs.	6.6
Max altitude without derating	m asl	2000
Operational temperature (IEC 50125-1)	IEC 50125-1	-40°C to +75°C
Stocking temperature		-50°C to +85°C

Aux Contacts Chart		Rated 10A-250V / S=Screw, F=FastOn	
N	no aux	K	2NO+NC S
C	1NO+NC S	J	2NO+NC F
F	1NO+NC F	L	3NO+NC S
		Q	4NO+NC F

Insulation Distances			
	x	y	z
from metallic parts	100	50	30
from insulated parts	50	50	30

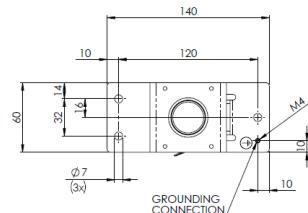
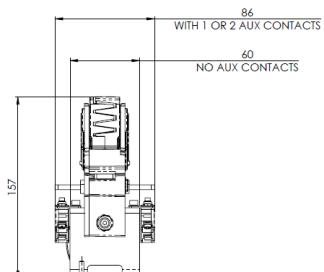
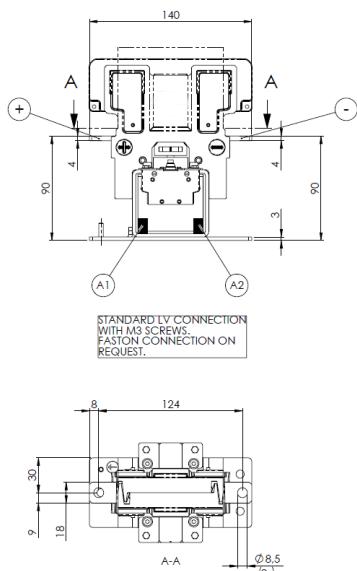
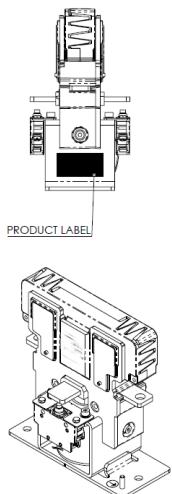
Spares Part Numbers

Arc chute (per pole)	REZ02048A
Main contacts (per pole)	REZ02047A
Coil drive 16 - 45Vdc	-
Coil drive 45 - 150Vdc	-
Coil drive 150 - 250Vdc	-



Control Chart (Operating range 0.7 – 1.25 Vc) continuous service

Closing Power at Vc:		35W	Holding Power at Vc:	35W	Opening Power at Vc:	-
Suffix	Vc	Coil P/N	Suffix	Vc	Coil P/N	
A	24Vdc	RZ02080A	D	72Vdc	RZ02083A	
B	36Vdc	RZ02081A	E	110Vdc	RZ02084A	
W	250Vdc	CF	U	125Vdc	CF	



Ordering Information

Order placement requires a full 12 digits part number. The main part number RC100003 shall be followed by:
the terminal suffix, the control voltage suffix, the auxiliary contacts suffix and the 3 digit revision suffix

Example	RC100003	A	N	-000
Main part number				
Control voltage suffix (see Control Chart above)				
Aux contacts suffix (see Aux Contacts Chart above)				
Revision suffix				