RK



2-pole solid state relays



Description

The RK series consists of 2-pole solid state relays contained in one housing with the possibility to control each pole independently (RKD2.. models) or both poles together (RK2.. models). Ratings for both versions go up to 600 VAC, 75 AAC per pole. The RK..C models have control termination through a 2.54mm pitch connector. Terminated cables to mate with the RK..C are available and have to be ordered separately. The RK..P models have control termination with a 5.08mm pitch plug connector. In this case, the control plug is shipped with the solid state relay.

Benefits

- Space savings. The RK series consists of two solid state relays contained in one housing having a product width of 45mm.
- Fast installation. The RK solid state relay is ready for mounting to panel chassis or heatsink as the backplate is equipped with a pre-attached thermal interface.
- Easy wiring. The RK..P models are equipped with a pluggable spring terminal for easy and fast wiring of control connections.
- Low equipment downtime. The output of each pole is protected against over-voltages with an integrated transil.
- Long lifetime. Wire bonding technology reduces thermal and mechanical stresses of the output chips allowing a larger number of operational cycles compared to other assembly technologies.
- User friendly. LED indication per pole for visual indication of control status.
- Food & Beverage certification conformance. The RK is certified for 100,000 cycle endurance test according to UL508.

Applications

Plastic extrusion machines, thermoforming machines, blow moulding machines, coffee machines, electrical ovens, vending machines, soldering ovens, dryers, climatic chambers, air handling units, plastic sealing machines, shrink tunnels, etc.



Main functions

- · 2-pole AC solid state relay with either independent control for each pole or common control.
- Zero cross or instant on switching.
- 4-32 VDC control voltage.



References

	der code		
Enter the		ering the corresponding option instead of	
Code	Option	Description	Notes
R			
K	-		
	D	Dual control (independent control for each pole)	
		Common control for the two poles	
2	-		
	A	Switching mode: zero cross (ZC)	
	В	Switching mode: instant on (IO)	For RK60 only
	23	Rated voltage: 230 VAC (24-265 VAC) 50/60 Hz	For RKD2A only
	60	Rated voltage: 600 VAC (42-660 VAC) 50/60 Hz	
D			
	50	Rated current / pole (with heatsink): 50 AAC	
	51	Rated current / pole (with heatsink): 50 AAC high l²t	For RKA only
	75	Rated current / pole (with heatsink): 75 AAC	For RK60 only
	С	Control termination: 2.54 mm pitch connector pins	
	P	Control termination: 5.08 mm pitch plug connector	
	X30	Bulk packaging	Optional

Selection guide: RKD2

Rated output		Control	Rated operational current (I2t value)					
voltage, Switching mode	Control voltage	termination	50 AAC (1500 A ² s)	50 AAC (3000 A ² s)	75 AAC (9800 A²s)			
230 VAC, ZC	4-32 VDC	Connector pins Plug	RKD2A23D50C RKD2A23D50P	RKD2A23D51C RKD2A23D51P	-			
600 VAC, ZC	4-32 VDC	Connector pins Plug	RKD2A60D50C RKD2A60D50P	RKD2A60D51C RKD2A60D51P	RKD2A60D75C RKD2A60D75P			
600 VAC, IO	4-32 VDC	Connector pins Plug	RKD2B60D50C RKD2B60D50P	-	RKD2B60D75C RKD2B60D75P			

Selection guide: RK2

Rated output		Control	Rated operational current (I2t value)					
voltage,	Control voltage	termination	50 AAC	50 AAC	75 AAC			
Switching mode		termination	(1500 A ² s)	(3000 A ² s)	(9800 A ² s)			
600 VAC. ZC	4-32 VDC	Connector pins	RK2A60D50C	RK2A60D51C	RK2A60D75C			
000 VAC, 2C		Plug	RK2A60D50P	RK2A60D51P	RK2A60D75P			
600 VAC, IO	4-32 VDC	Plug	RK2B60D50P	-	RK2B60D75P			



Selection guide: RKD2... CX30

Rated output	Control	Control	Rated operational current (I²t value)
voltage, Switching mode	voltage	termination	50 AAC (3000 A²s)
600 VAC, ZC	4-32 VDC	Connector pins	RKD2A60D50CX30

CARLO GAVAZZI compatible components

Purpose	Component name/code	Notes
Control plugs	RK4MT, RK2MT	Spring plugs for RKP, packing qty.: 10 pcs.
Cables	RCK4-100-1 RCK2-100-1	Cable accessory for RKC
Heatsinks	RHS	Heatsinks and fans
Screws kits for SSR mounting	SRWKITM5X10MM	Packing qty.: 20 pcs.
Fork terminals	RM635FK, RM635FKP	Packing qty.: 10 pcs.
Touch protection covers	RKIP20	Packing qty.: 10 pcs.

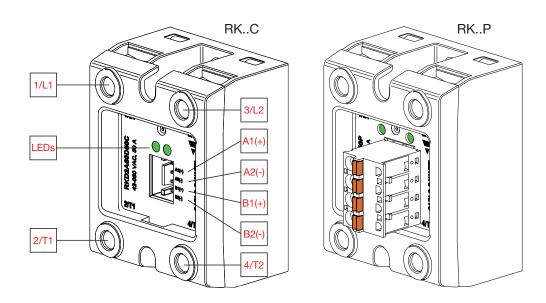


Further reading

Information	Where to find it
Online heatsink selector tool	https://gavazziautomation.com/nsc/HQ/EN/solid_state_relays



Structure



Element	Component	Fund	ction			
Element	Component	RKD2	RK2			
1/L1	Power connection	Mains connec	tion for Pole A			
2/T1	Power connection	Load connect	tion for Pole A			
3/L2	Power connection	Mains connection for Pole B				
4/T2	Power connection	Load connection for Pole B				
A1(+)	Control connection	Control signal for Pole A	Control signal for Pole A & B			
A2(-)	Control connection	Ground for Pole A	Ground for Pole A & B			
B1(+)	Control connection	Control signal for Pole B	-			
B2(-)	Control connection	Ground for Pole B	-			
LEDs	LEDs indicators	LED ON when control input is applied				



Features

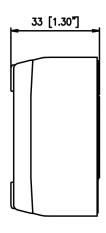
General

Material	PA66, RAL7035
Weight	RKC: approx. 101 g RKD2P: approx. 106 g RK2P: approx. 102 g
Touch protection	IP 20
Overvoltage category	III, 6 kV (1.2/50µs) rated impulse withstand voltage
Isolation	Input to output: 4000 Vrms Input and output to case: 4000 Vrms
LED indication	Continously ON Green LED when control input is applied

Note: in the case of the RKD2 models, the two LED indications represent the control status of each independent control. In the case of the RK2 models, the two LEDs represent the status of the common control input and hence both LEDs are ON when the control input is applied to the RK2 and both LEDs are OFF when the control input is removed.



Dimensions



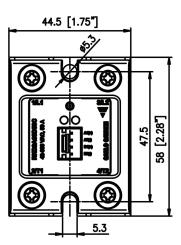
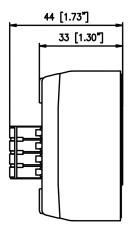


Fig. 1 RKD2..C



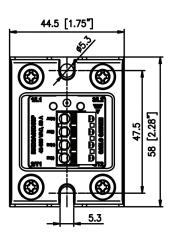


Fig. 2 RKD2..P



Performance

Outputs

	RK2350	RK6050	RK2351	RK6051	RK2375	RK6075	
0	24 - 265	42 - 660	24 - 265	42 - 660	24 - 265	42 - 660	
Operational voltage range, Ue	VAC	VAC	VAC	VAC	VAC	VAC	
Max. operational current per pole¹: AC-51 rating		50 /	AAC		75 <i>F</i>	AAC	
Max. operational current per pole ¹ : AC-53a rating	12 AAC						
Operational frequency range	45 - 65 Hz						
Blocking voltage	600 Vp	1200 Vp	600 Vp	1200 Vp	600 Vp	1200 Vp	
Output protection			Integrate	ed transil			
Latching voltage (across L-T)	≤ 20V						
Leakage current @ rated voltage	≤ 3 mAAC						
Minimum operational current	250 n	nAAC		400 n	nAAC		
Repetitive overload current (t=1s)	< 125	5 AAC	< 130) AAC	< 150) AAC	
Non-repetitive surge current (t=10ms)	550) Ар	775	5 Ар	1400	0 Ap	
l²t for fusing (t=10ms), Minimum	1500 A²s 3000 A²s 9800 A²s) A²s	
Power factor ²	> 0.5 @ rated voltage						
Critical dV/dt (@ Tj init = 40°C)	1000 V/µs						
Endurance testing acc. to UL508	100,000 cycles						

Notes:

- 1. Max. rated current with suitable heatsink. Refer to heatsink selection tables.
- 2. Transient voltages exceeding the SSR rated blocking voltage will cause the SSR output to switch ON even if control signal is OFF. This occurrence will last as long as the transient voltage level is higher than the specified blocking voltage of the SSR.

Inputs

	RKD2	RK2			
Control voltage range: A1-A2, B1-B2	4 - 32 VDC				
Pick-up voltage	3.8 VDC				
Drop-out voltage	1.0 VDC				
Maximum reverse voltage	32 VDC				
Max. response time pick-up	1/2 cycle (RK A) 0.1 ms (RK B)				
Response time drop-out	1/2 cycle				
Maximum input current	< 12 mA per pole < 24 mA				

Note: control range below -25°C is 5.5 - 32 VDC





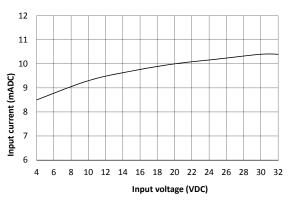


Fig. 3 RKD2 input current vs. input voltage

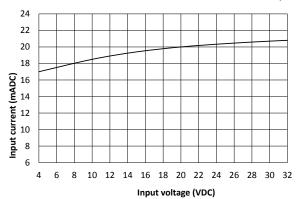
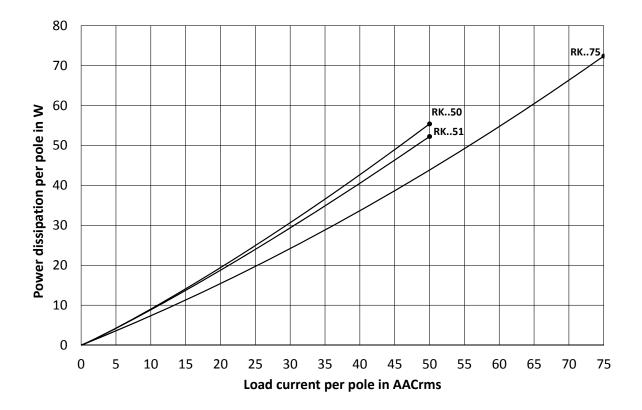


Fig. 4 RK2 input current vs. input voltage

Output power dissipation





Heatsink selection

Thermal resistance [°C/W] of RK..50..

		Ambient temp. [°C]					
Load current per pole AC-51, [A]	20	30	40	50	60	70	80
50	0.72	0.61	0.50	0.39	0.28	0.18	-
45	0.87	0.74	0.61	0.48	0.36	0.25	0.13
40	1.0	0.91	0.75	0.61	0.47	0.33	0.19
35	1.3	1.1	0.95	0.77	0.60	0.44	0.27
30	1.7	1.4	1.2	1.0	0.7	0.58	0.39
25	2.2	1.9	1.6	1.3	1.0	0.80	0.55
20	3.2	2.7	2.3	1.9	1.5	1.1	0.81
15	5.3	4.4	3.6	2.9	2.3	1.7	1.2
10	12.4	9.6	7.5	5.8	4.4	3.3	2.3
5	nh	nh	nh	nh	17.8	11.0	6.9

Thermal resistance [°C/W] of RK..51..

			Ambi	ent temp	o. [°C]		
Load current per pole AC-51, [A]	20	30	40	50	60	70	80
50	0.85	0.73	0.61	0.49	0.38	0.27	0.16
45	1.0	0.87	0.73	0.59	0.46	0.34	0.21
40	1.2	1.0	0.88	0.72	0.57	0.42	0.28
35	1.5	1.2	1.0	0.90	0.71	0.53	0.36
30	1.9	1.6	1.3	1.1	0.91	0.69	0.48
25	2.5	2.1	1.8	1.5	1.2	0.92	0.65
20	3.5	3.0	2.5	2.0	1.6	1.2	0.92
15	5.7	4.8	3.9	3.2	2.5	1.9	1.4
10	13.4	10.3	8.0	6.1	4.7	3.5	2.4
5	nh	nh	nh	nh	18.7	11.4	7.1

Thermal resistance [°C/W] of RK..75..

	Ambient temp. [°C]						
Load current per pole AC-51, [A]	20	30	40	50	60	70	80
75	0.53	0.45	0.38	0.30	0.23	0.15	-
67.5	0.64	0.55	0.46	0.37	0.28	0.20	0.12
60	0.78	0.67	0.56	0.46	0.36	0.26	0.16
52.5	0.96	0.83	0.70	0.58	0.45	0.34	0.22
45	1.2	1.0	0.89	0.74	0.59	0.44	0.30
37.5	1.5	1.3	1.1	0.97	0.78	0.60	0.42
30	2.2	1.9	1.6	1.3	1.0	0.83	0.60
22.5	3.4	2.9	2.4	2.0	1.6	1.2	0.91
15	6.5	5.4	4.4	3.5	2.8	2.1	1.5
7.5	nh	nh	16.0	11.3	8.1	5.7	3.9

Notes:

- The indicated thermal resistance values are applicable only for the RK with the pre-attached thermal interface.
- 'nh' means no heatsink necessary. The SSR should still be tightened to a surface to ensure optimal thermal dissipation.



Applications

Thermal stress will reduce the lifetime of the solid state relay. It is hence necessary to select an appropriate heatsink to ensure that the maximum junction temperature of the solid state relay is not exceeded. Surrounding temperature, load current and duty cycle have to be taken into account. The Heatsink Selection tables as well as the Online Heatsink Selector tool on http://productselection.net/heatsink/heatsinkselector.php?LANG=UK provide indications of the heatsink size necessary to avoid thermal overload.

Further checks can be done in the application by verification of the heatsink temperature. The maximum allowed heatsink temperature can be calculated as follows:

$$T_h = T_i - (2 * P_d * R_{this 2-poles}) \text{ or } T_h = T_i - (P_d * R_{this 1-pole})$$

Where,

T_h = max. heatsink temperature

 $T_i = max.$ junction temperature

 \vec{P}_d = output power dissipation per pole

 R_{thjs} = thermal resistance junction to heatsink (including thermal interface), $R_{thjs \ 1\text{-pole}}$ = 2 * $R_{thjs \ 2\text{-poles}}$

Example 1: load current through the two poles is identical.

SSR utilised is the RKD2A60D50P with a load current of 40Arms per pole. The maximum heatsink temperature shall not exceed:

$$T_h = T_j - (2 * P_d * R_{thjs 2-poles})$$

$$T_h = 120^{\circ}C - (2 * 43W * 0.25^{\circ}C/W)$$

$$T_h = 98.5^{\circ}C$$

Example 2: load current through the two poles is different.

SSR utilised is the RKD2A60D50P with a load current of 40Arms through pole 1 and 10Arms through pole 2. In this case, since the load current through the two poles differ, each pole has to be calculated separately ($R_{thjs 2-poles}$ cannot be utilised). The max. heatsink temperature is the lower heatsink temperature obtained when the calculation is done for each pole independently.

$$T_h = T_i - (P_d * R_{this 1-pole})$$

$$T_{hpole1} = 120^{\circ}C - (43W * 0.5^{\circ}C/W) = 98.5^{\circ}C$$

$$T_h = T_i - (P_d * R_{this 1-pole})$$

$$T_{\text{boole}2} = 120^{\circ}\text{C} - (9\text{W} * 0.5^{\circ}\text{C/W}) = 115.5^{\circ}\text{C}$$

Hence, in this case the max. heatsink temperature shall not exceed 98.5°C.



Thermal data

	RK50	RK51	RK75			
Operating temperature	-40°C to 80°C (-40°F to 176°F)					
Storage temperature	-40°C to 100°C (-40°F to 212°F)					
Max. junction temperature	< 120°C (248°F) < 115°C (239°F)					
Junction to heatsink thermal						
resistance, R _{thjs}	2-poles: 0.25 °C/W	2-poles: 0.2 °C/W	2-poles: 0.16 °C/W			
(including pre-attached thermal	1-pole: 0.5 °C/W	1-pole: 0.4 °C/W	1-pole: 0.32 °C/W			
interface)						

Note: the indicated thermal resistance R_{thjs} (2-poles) is applicable when both poles are utilised. If only one of the poles is used, the applicable R_{thjs} is the R_{thjs} indicated for 1-pole.



Compatibility and conformity

Standard compliance	EN/IEC 60947-4-3
Approvals	C € c 91 us

Electromagnetic compatibility (EMC) - immunity					
Electrostatic discharge (ESD)	EN/IEC 61000-4-2				
Electrostatic discharge (ESD)	8 kV air discharge, 4 kV contact (PC1)				
	EN/IEC 61000-4-3				
Radiated radio frequency	10 V/m, from 80 MHz to 1 GHz (PC1)				
Radiated faulo frequency	10 V/m, from 1.4 to 2 GHz (PC1)				
	3 V/m, from 2 to 2.7 GHz (PC1)				
	EN/IEC 61000-4-4				
Electrical fast transient (burst)	Output: 2 kV, 5 kHz (PC2)				
	Input: 1 kV, 5 kHz (PC2)				
Conducted radio fraguency	EN/IEC 61000-4-6				
Conducted radio frequency	10V/m, from 0.15 to 80 MHz (PC1)				
	EN/IEC 61000-4-5				
	Output, line to line: 1 kV (PC2)				
Electrical surge	Output, line to earth: 2 kV (PC2)				
	Input, line to line: 500 V (PC2)				
	Input, line to earth: 500 V (PC2)				
	EN/IEC 61000-4-11				
	0% for 0.5, 1 cycle (PC2)				
Voltage dips	40% for 10 cycles (PC2)				
	70% for 25 cycles (PC2)				
	80% for 250 cycles (PC2)				
Voltage Interruptions	EN/IEC 61000-4-11				
voitage interruptions	0% for 5000ms (PC2)				

Electromagnetic compatibility (EMC) - emissions					
Radio interference field emis-	EN/IEC 55011				
sion (radiated)	Class A: from 30 to 1000 MHz				
Dadia interference voltage	EN/IEC 55011				
Radio interference voltage emissions (conducted)	Class A: from 0.15 to 30 MHz				
emissions (conducted)	(External filter may be required - refer to Filtering section)				

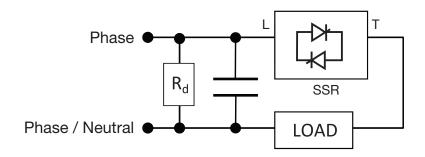


Note:

- Performance Criteria 1 (PC1): no degradation of performance or loss of function is allowed when the product is operated
 as intended.
- Performance Criteria 2 (PC2): during the test, degradation of performance or partial loss of function is allowed. However when the test is complete the product should return operating as intended by itself.
- Performance Criteria 3 (PC3): temporary loss of function is allowed, provided the function can be restored by manual operation of the controls.
- · Control input lines must be installed together to maintain products' susceptability to Radio Frequency interference.
- Use of AC solid state relays may, according to the application and the load current, cause conducted radio interferences.
 Use of mains filters may be necessary for cases where the user must meet E.M.C requirements. The capacitor values given inside the filtering specification tables should be taken only as indications, the filter attenuation will depend on the final application.

•

Filter connection diagram (per pole)



 $R_d = 1M\Omega$, 0.5W

Filtering

Part number	Suggested filter for EN 55011 Class A compliance (per pole)	Maximum heater current [AAC]
	no filter needed	9
RK(D)2A23D50	150nF / 275V / X1	25
	330nF / 275V / X1	50
	no filter needed	10
RK(D)2A23D51	150nF / 275V / X1	25
	330nF / 275V / X1	50
	no filter needed	7.5
RK(D)2A60D50	150nF / 760V / X1	25
	330nF / 760V / X1	40
	no filter needed	5
RK(D)2A60D51	220nF / 760V / X1	30
	220nF / 760V / X1	40
	no filter needed	5
RK(D)2A60D75	330nF / 760V / X1	25
	470nF / 760V / X1	40
BK/D)2B60D50	220nF / 760V / X1	25
RK(D)2B60D50	330nF / 760V / X1	40
DK/D)2DC0DZ5	330nF / 760V / X1	25
RK(D)2B60D75	470nF / 760V / X1	40

For class B compliance contact your Carlo Gavazzi representative.

Environmental specifications

Relative humidity	95% non-condensing @ 40°C			
Pollution degree	2 (non-conductive pollution with possibilities of condensation)			
Installation altitude	0-1000m. Above 1000m derate linearly by 1% of FLC per 100m up to a maximum of 2000m			
Vibration resistance	5g / axis (2-100Hz, IEC60068-2-6, EN 50155, EN 61373)			
Impact resistance	15/11 g/ms (EN 50155, EN 61373)			
EU RoHS compliant	Yes			
China RoHS	25			
UL flammability rating (housing)	UL 94 V0			
Glow wire ignition temperature, Glow wire flammability index	Conforms to EN 60335-1 requirements			

The declaration in this section is prepared in compliance with People's Republic of China Electronic Industry Standard SJ/T11364-2014: Marking for the Restricted Use of Hazardous Substances in Electronic and Electrical Products.

	Toxic or Harardous Substances and Elements						
Part Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominat- ed biphenyls (PBB)	Polybromi- nated diphenyl ethers (PBDE)	
Power Unit Assembly	х	0	0	0	0	0	

O: Indicates that said hazardous substance contained in homogeneous materials fot this part are below the limit requirement of GB/T 26572.

X: Indicates that said hazardous substance contained in one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572.

这份申明根据中华人民共和国电子工业标准

SJ/T11364-2014: 标注在电子电气产品中限定使用的有害物质

	有毒或有害物质与元素					
零件名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(Vl))	多溴化联苯 (PBB)	多溴联苯醚 (PBDE)
功率单元	Х	0	0	0	0	0

O:此零件所有材料中含有的该有害物低于GB/T 26572的限定。

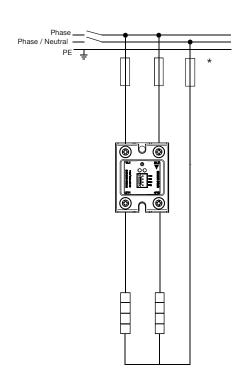
X: 此零件某种材料中含有的该有害物高于GB/T 26572的限定。

Short circuit protection, co-ordination type 2 (per pole)

	Prospective short	(Merse	n) Ferraz Shawmut		Voltage	
Part No.	circuit current [kArms]	Max fuse size [A]	Part number	Max fuse size [A]	Part number	[VAC]
RK50	10	50	gR (GRC) 22x58 FR22UD69V50T Holder: CMS22xI	50	50 142 06.50 Holder: 51 060 05.xS	600
RK51	10	63	gR (GRC) 22x58 FR22UD69V63T Holder: CMS22xI	63	50 142 06.63 Holder: 51 060 05.xS	600
RK75	10	80	gR (GRC) 22x58 FR22GR69V80T Holder: CMS22xl	100	50 142 06.100 Holder: 51 060 05.xS	600

Where 'x' in Holder reference signifies the no. of poles

Connection Diagrams







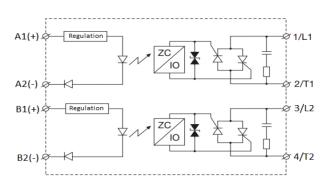
Control input A (A1-A2) activates pole L1-T1 and control input B (B1-B2) activates pole L2-T2 for the RKD2..

Control input A (A1-A2) activates both pole L1-T1 and pole L2-T2 for the RK2..

L1 L2 L3 N PE 1.

^{*}depends on system requirements

Functional diagram



A1(+) Regulation 2/T1

A2(-) 4/T2

Fig. 5 RKD2

Fig. 6 RK2

Installation

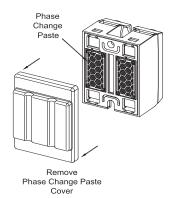


Fig. 7 Remove cover before mounting on the panel chassis or heatsink.

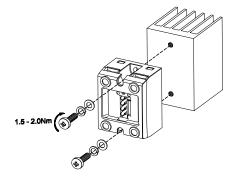


Fig. 8 Tighten screws alternately to max. 0.5 Nm and then continue to max. 2.0 Nm.

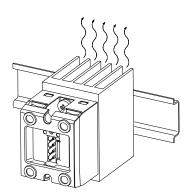


Fig. 9 Mount heatsink with fins in the vertical orientation to guarantee the best possible airflow through the heatsink.



Connection specifications

	1/I 1 2/T1	, 3/L2, 4/T2	A1, A2, B1, B2		
		, RKP)	(RKP)		
Mounting screws (SSR to heatsink)	(refer to SRV	M5, not provided with SSR VKITM5X10MM in the Refere	ences section)		
Mounting torque (SSR to heatsink)	1.5 - 2.0 Nm (13.3 - 17.7 lb-in)				
Conductors	Use 75°C coppe	Use 60/75°C copper (Cu) conductors			
Stripping length	12	8-9 mm			
Connection type	M4 screw with o	Spring			
No. of positions		4 (RKD2) 2 (RK2)			
Wire entry		-	Тор		
Rigid (solid & stranded) UR/CSA rated data	2 x 2.5 6.0 mm ² 2 x 14 10 AWG	1 x 2.5 6.0 mm ² 1 x 14 10 AWG	0.5 2.5 mm ² 26 12 AWG		
Flexible with or without end sleeve	2 x 1.0 2.5 mm ² 2 x 2.5 6.0 mm ² 2 x 18 14 AWG 2 x 14 10 AWG	1 x 1.0 6.0 mm ² 1 x 14 10 AWG	0.5 2.5 mm ² 26 12 AWG		
Flexible with end sleeve using TWIN ferrules		0.5 1.0 mm²			
Torque specifications	Pozidrive UL: 2.0 Nn IEC: 1.5 - 2.0 Nn	-			
Aperture for termination lug	12.5 mm, lug thickness	-			

Control termination

RKC	RKD2	RK2		
Connection type	4 pins, pitch 2.54mm square pin 0.64'	2 pins, pitch 2.54mm square pin 0.64'		
Connection type	with integrated lockable connector	with integrated lockable connector		
Mating options	3-640441-2 with connector strain relief cover 643075-2, from TE Connectivity			
wating options	3-640441-4 with connector strain relief cover 643075-4, from TE Connectivity			
Accessories	RCK4-100-1, RCK2-100-1 terminated cable			

RKP	RKD2	RK2	
Connection type	4-way, 4-positions, pitch 5.08mm for pluggable terminal	4-way, 2-positions, pitch 5.08mm for pluggable terminal	
Mating options	Plug provided with SSR; Other options noted in section Screw plugs, Spring plugs		
Accessories	Plugs also available as Accessories: RK4MT for RKD2, RK2MT for RK2		



Screw plugs

Cable entry	Тор	Left	Right	Twin, sides	
Manufacturer	Phoenix Contact				
Model	4 positions: MSTBT 2,5/ 4-ST-5,08	4 positions: MVSTBW 2,5/ 4-ST-5,08	4 positions: MVSTBR 2,5/ 4-ST-5,08	4 positions: TVMSTB 2,5/ 4-ST-5,08	
	2 positions: MSTBT 2,5/ 2-ST-5,08	2 positions: MVSTBW 2,5/ 2-ST-5,08	2 positions: MVSTBR 2,5/ 2-ST-5,08	2 positions: TVMSTB 2,5/ 2-ST-5,08	
Reference	4 positions: 1780002	4 positions: 1792773	4 positions: 1792265	4 positions: 1719024	
	2 positions: 1779987	2 positions: 1792757	2 positions: 1792249	2 positions: 1719008	
Wire range	0.25 - 2.5 mm ²				
Screw	M3				
Stripping length	7 mm				
Tightening torque	0.5 - 0.6 Nm				
Product depth with mounted connector	37.2 mm 45.0 mm 44.7 n			44.7 mm	

Cable entry	Тор	Twin, top	
Manufacturer	Phoenix Contact		
Model	4 positions: FRONT-MSTB 2,5/ 4-ST-5,08	4 positions: TMSTBP 2,5/ 4-ST-5,08	
Wodel	2 positions: FRONT-MSTB 2,5/ 2-ST-5,08	2 positions: TMSTBP 2,5/ 2-ST-5,08	
Reference	4 positions: 1777303	4 positions: 1853036	
Reference	2 positions: 17773280	2 positions: 1853010	
Wire range	0.25 - 2.5 mm ²		
Screw	M2.5	M3	
Stripping length	10 mm	7 mm	
Tightening torque	0.5 - 0.6 Nm		
Product depth with mounted connector	46.5 mm	40.5 mm	

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Spring plugs

Cable entry	Тор	Left	Right	Twin, top	
Manufacturer	Phoenix Contact				
Model	4 positions: FKCT 2,5/	4 positions: FKCVW	4 positions: FKCVR	4 positions: TFKC 2,5/	
	4-ST-5,08	2,5/ 4-ST-5,08	2,5/ 4-ST-5,08	4-ST-5,08	
	2 positions: FKCT 2,5/	2 positions: FKCVW	2 positions: FKCVR	2 positions: TFKC 2,5/	
	2-ST-5,08	2,5/ 2-ST-5,08	2,5/ 2-ST-5,08	2-ST-5,08	
Reference	4 positions: 1902136	4 positions: 1873676	4 positions: 1873977	4 positions: 1962626	
	2 positions: 1902110	2 positions: 1873650	2 positions: 1873951	2 positions: 1962600	
Wire range	0.25 - 2.5 mm ²				
Stripping length	10 mm				
Product depth with mounted connector	44.6 mm	45.6 mm	45.6 mm	44.7 mm	

P

Packaging

RKD2...PX30



Packing qty.: 30 pcs.Weight: 3.03 Kgs

RKD...CX30



Packing qty.: 30 pcs.Weight: 3.03 Kgs



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RK2A60D50C RKD2A60D51P RKD2A60D75C RKD2A60D75P RCK4-100-1 RKD2A23D51P RK2A60D50P RKD2A60D51C RK2A60D51P RK2A60D75P RKD2A60D50C RKD2B60D50P RK2A60D51C RKD2A60D50C RKD2B60D50P RKD2B60D75P RK2A60D75C RKD2A23D50P RK2B60D50P RKD2B60D50C RKD2B60D75C RKD2A23D51C RK2A60D75C RKD2A23D50C RKD2A23D50C RK2B60D75P RK4MT