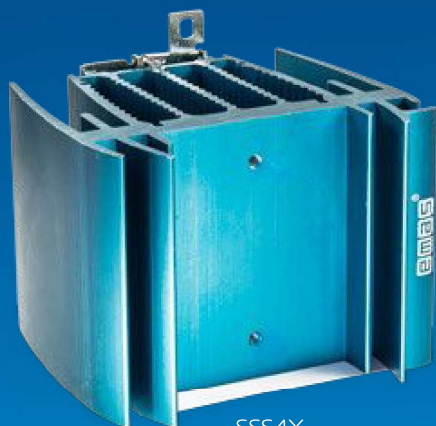




SSS4X



SSRR1EA012

RZ4D1S208K



RZ4A3M708P



RR3MP1N



RR3VP02



RZ1A1A12S-25



SSRP1DB012



RZ3A1A30S2

Electronic Products

Solid State Relays



SSRP1DB040



SSRP1DA025



SSRR1EA012

Code	Control Voltage	Mounting	Phase	Load Voltage Range	Max Load Current	Box/Pcs
SSRP1DA012	4 - 32 VDC	Base Mount	1 Phase	24-320V AC	12A	1
SSRP1DA025	4 - 32 VDC	Base Mount	1 Phase	24-320V AC	25A	1
SSRP1DA040	4 - 32 VDC	Base Mount	1 Phase	24-320V AC	40A	1
SSRP1DB012	4 - 32 VDC	Base Mount	1 Phase	50-480V AC	12A	1
SSRP1DB025	4 - 32 VDC	Base Mount	1 Phase	50-480V AC	25A	1
SSRP1DB040	4 - 32 VDC	Base Mount	1 Phase	50-480V AC	40A	1
SSRP1DC050	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	50A	1
SSRP1DC070	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	70A	1
SSRP1DC100	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	100A	1
SSRP1DC120	4 - 32 VDC	Base Mount	1 Phase	50-640V AC	120A	1
SSRR1EA012	8-30V AC/DC	Rail Type	1 Phase	24-320V AC	12A	1
SSRR1EA025	8-30V AC/DC	Rail Type	1 Phase	24-320V AC	25A	1
SSRR1EB012	8-30V AC/DC	Rail Type	1 Phase	50-480V AC	12A	1
SSRR1EB025	8-30V AC/DC	Rail Type	1 Phase	50-480V AC	25A	1

SSS Series Solid State Heat Sinks



SSS1X



SSS4X



SSS5F

Code	Installation	Dimension	Suitable Solid State (Base Mounting)	Feature	Box/Pcs
SSS1X	Rail Type	45 x 75 mm	12A	W/O Fan	1
SSS2X	Rail Type	45 x 100 mm	25A	W/O Fan	1
SSS2F	Rail Type	45 x 100 mm	40A	With Fan	1
SSS4X	Rail Type	100 x 75 mm	40A	W/O Fan	1
SSS4F	Rail Type	100 x 75 mm	50A	With Fan	1
SSS5X	Rail Type	100 x 100 mm	50A	W/O Fan	1
SSS5F	Rail Type	100 x 100 mm	70A, 100A, 120A	With Fan	1

Rail Type Electronic Relays

Time Relays



RR3ZTS30



RR3VP01



RR3LL01



RR3LLPROP



RR3FR01

Code	Operating Voltage	Time Range	Function				Control Output	Box/Pcs
			F1	F2	F3	F4		
RR3ZTC01	24V DC/VAC-220V AC	0,06 sec. - 30 hour	✓	✓	✓	✓	1 Changeover Relay 10A/250V AC	10
RR3ZTC02*		0,6 sec. - 10 hour			✓*	✓*	1 Changeover Relay 10A/250V AC	10
RR3ZTS30		0,1-30 sec.adj		✓			1 Changeover Relay 10A/250V AC	10
RR3ZTS60		0,1-60 sec.adj		✓			1 Changeover Relay 10A/250V AC	10

F1. Delay ON Function / F2. Delay OFF Function / F3. ON Flasher Function / F4. OFF Flasher Function / F5. Bypass

*In this model on-off times are separately adjustable.

Voltage Protection

Code	Operating Voltage	Time Delay Adjustment	Over Voltage Protection Level	Under Voltage Protection Level	Phase Sequence & Phase Loss Protection	Control Output	Box/Pcs
RR3VP01	220 VAC	0,1 - 20 sec. Adjustable	230-300 VAC	150-210 VAC	Single Phase	1 Changeover Relay 10A/250VAC	10
RR3VP02			Adjustable	Adjustable	Three Phase	1 Changeover Relay 10A/250V AC	10
RR3VP02N	380 VAC	0,1 - 10 sec. Adjustable	%5-%30 Adjustable	%5-%30 Adjustable	Three Phase (without Neutral)	1 Changeover Relay 10A/250V AC	10

Liquid Level Control

Code	Operating Voltage	Electrode	Adjustment Sensitivity (kΩ)	Dimensions	Control Output	Box/Pcs
RR3LL01	220 VAC	base, bottom, top	2 - 50	Size 90mm dia 19mm	1 Changeover Relay 10A/250VAC	10
RR3LLPROP		Electrode				10

Photocell Relay

Code	Operating Voltage	Lux Scale	Time delay	Control	Protection	Control Output	Box/Pcs
RR3FR01	220 VAC	1-10 LUX	25s-40s	Automatic	-	1 changeover Relay 10A/250V AC	10
RR3FRGOZ				LDR Light Sensor			10



RR3MP1N



RR3MP4FP

Motor Protection

Code	Operating Voltage	Voltage Asymmetry	Phase Loss	Phase Sequence	Thermal Protection	Control Output	Box/Pcs
RR3MP1N	220V AC	%20	✓			1 Changeover Relay 10A/250VAC	10
RR3MP2N		%40	✓			1 Changeover Relay 10A/250VAC	10
RR3MP2F		%40	✓	✓		1 Changeover Relay 10A/250VAC	10
RR3MP2FP		%40	✓	✓	✓	1 Changeover Relay 10A/250VAC	10
RR3MP4F		%5-15	✓	✓		1 Changeover Relay 10A/250VAC	10
RR3MP4FP		%5-15	✓	✓	✓	1 Changeover Relay 10A/250VAC	10
RR3MP4FPN		%5-15	✓	✓ Without Neutral	✓	1 Changeover Relay 10A/250VAC	10
RR3MP5FN		%15	✓	✓ Without Neutral		1 Changeover Relay 10A/250VAC	10

Star Delta Relay

Code	Operating Voltage	Time Range	Function	Control Output	Box/Pcs
RR3YU01	220V AC	Star:3-30s, Star->Delta:50-500m	Star Delta	2NO relay 10A/250VAC	10
RR3YU02		Star:3-30s,Star-Delta:50-500ms,Right-Left:0.6s-5min	Star Delta& Right Left Relay	2NO relay 10A/250VAC	10

Ø22 mm Electronic Time Relays

Analogue Time Relays

Code	Function	Time Range	Operating Voltage	Number of Contacts	Box/Pcs
RZ3A1A30M2	Delay On	0,5-30 min.	10-30V DC	PNP Transistor Output	1
RZ3A1A60M2	Delay On	1-60 min.	10-30V DC	PNP Transistor Output	1
RZ3A1A30S2	Delay On	0,1-30 sec.	10-30V DC	PNP Transistor Output	1
RZ3A1A60S2	Delay On	0,1-60 sec.	10-30V DC	PNP Transistor Output	1



RZ3A1A30S2



RZ3A1A60S2

36x36 mm Electronic Relays

Analogue Time Relays

With Single Relay

Code	Function	Time Range	Operating Voltage	Number of Contacts	Box/Pcs
RZ1A1A03*-1	Delay On	0.3 - 3 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A03*-25	Delay On	0.3 - 3 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A06*-1	Delay On	0.6 - 6 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A06*-25	Delay On	0.6 - 6 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A12*-1	Delay On	1.2 - 12 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A12*-25	Delay On	1.2 - 12 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A30*-1	Delay On	3 - 30 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A30*-25	Delay On	3 - 30 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1A60S-1	Delay On	6 - 60 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1A60S-25	Delay On	6 - 60 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B03*-1	Delay Off	0.3 - 3 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B03*-25	Delay Off	0.3 - 3 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B06*-1	Delay Off	0.6 - 6 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B06*-25	Delay Off	0.6 - 6 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B12*-1	Delay Off	1.2 - 12 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B12*-25	Delay Off	1.2 - 12 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B30*-1	Delay Off	3 - 30 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B30*-25	Delay Off	3 - 30 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1
RZ1A1B60S-1	Delay Off	6 - 60 sec/m	12V AC/DC	1 Changeover Contact	1
RZ1A1B60S-25	Delay Off	6 - 60 sec/m	24V AC/DC - 220V AC	1 Changeover Contact	1



RZ1A1A12S-25



RZ1A2C06S-2

With Double Relay

Code	Function	Time Range	Operating Voltage	Number of Contacts	Box/Pcs
RZ1A2C03*-1	Delay On & Delay Off	0.3 - 3 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C03*-2	Delay On & Delay Off	0.3 - 3 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C03*-5	Delay On & Delay Off	0.3 - 3 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C06*-1	Delay On & Delay Off	0.6 - 6 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C06*-2	Delay On & Delay Off	0.6 - 6 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C06*-5	Delay On & Delay Off	0.6 - 6 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C12*-1	Delay On & Delay Off	1.2 - 12 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C12*-2	Delay On & Delay Off	1.2 - 12 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C12*-5	Delay On & Delay Off	1.2 - 12 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C30*-1	Delay On & Delay Off	3 - 30 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C30*-2	Delay On & Delay Off	3 - 30 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C30*-5	Delay On & Delay Off	3 - 30 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C60S-1	Delay On & Delay Off	6 - 60 sec/m	12V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C60S-2	Delay On & Delay Off	6 - 60 sec/m	24V AC/DC	1 Changeover Contact + 1Normally Open Contact	1
RZ1A2C60S-5	Delay On & Delay Off	6 - 60 sec/m	220V AC	1 Changeover Contact + 1Normally Open Contact	1

*Time Mode: S: second (sec) ; M: minute (m)

Note 1: 48x48 adaptor will be supplied free of charge whenever needed.

Note 2: All electronic relays must be used together with RS1P08 Sockets



RZ1D1B-1

Digital Time Relay

Code	Operating Voltage	Number of Contacts	Time Range	Function*											Box/Pcs
				A	B	F1	F2	S1	S2	S3	S4	I	P	R	
RZ1D1S-1	12V AC/DC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1S-2	24V AC/DC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1S-4	110V AC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1S-5	220V AC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1B-1	12V AC/DC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1B-2	24V AC/DC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1B-5	220V AC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1R-1	12V AC/DC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1R-2	24V AC/DC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ1D1R-5	220V AC	1 Changeover Contact	0.1-99.59sn.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1



RZ1D1C-5

Digital Counters

Code	Operating Voltage	Number of Contacts	Counter Entry	Reset Entry	Box/Pcs
RZ1D1C-2	24V AC/DC	1 Changeover Contact	12-30V DC Pals	12-30V DC Pals	1
RZ1D1C-5	220V AC	1 Changeover Contact	12-30V DC Pals	12-30V DC Pals	1



RDA1A

Digital Panelmeters

Code	Type	Operating Voltage	Number of Contacts	Counter Entry	Box/Pcs
RDA1A	Ampermeter	220/230V AC	1 Changeover Contact	0-5 A	1
RDV1A	Voltmeter	220/230V AC	1 Changeover Contact	0-600V AC	1
RDH1A	Frequency meter	220/230V AC	1 Changeover Contact	100-250V AC / 30-70 Hz	1



RAM1S

Motor Protection Relay

Code	Operating Voltage	Number of Contacts	Protection Phase Sequence	Protection Phase Loss	Box/Pcs
RAM1S	3x380V AC	1 Changeover Contact	✓	✓	1

48x48 mm Electronic Relays



RZ4A3M708P

Analogue Time Relays

Code	Operating Voltage	Number of Contacts	Time Range	Function*											Box/ Pcs
				A	B	F1	F2	S1	S2	S3	S4	I	P	R	
RZ4A3M708P	24-240V AC/DC	2 ChangeoverContact	0.05 sec-100 hour	✓	✓	✓	✓								1
RZ4A3M708K	24-240V AC/DC	2 ChangeoverContact	0.05 sec-100 hour	✓	✓	✓	✓								1

Digital Time Relays

Code	Operating Voltage	Number of Contacts	Time Range	Function*											Box/ Pcs
				A	B	F1	F2	S1	S2	S3	S4	I	P	R	
RZ4D1S108P	12V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1S208P	24V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1S408P	110V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1S508P	230V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1S108K	12V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1S208K	24V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1S408K	110V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1S508K	230V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓		1
RZ4D1B108P	12V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ4D1B208P	24V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ4D1B508P	230V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ4D1B108K	12V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ4D1B208K	24V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ4D1B508K	230V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		1
RZ4D1R108P	12V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1
RZ4D1R208P	24V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1
RZ4D1R508P	230V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1
RZ4D1R108K	12V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1
RZ4D1R208K	24V AC/DC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1
RZ4D1R508K	230V AC	1 Changeover Contact	0.1 sec-99 h.59 min	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1



RZ4D1S208K

Digital Counters

Code	Operating Voltage	Number of Contacts	Counter Entry	Reset Entry	Box/ Pcs
RZ4D1C208P	24V AC/DC	1 ChangeoverContact	12-30V Dc Pals	12-30V DcPals	1
RZ4D1C508P	230VAC	1 ChangeoverContact	12-30V Dc Pals	12-30V DcPals	1
RZ4D1C208K	24V AC/DC	1 ChangeoverContact	12-30V Dc Pals	12-30V DcPals	1
RZ4D1C508K	230VAC	1 ChangeoverContact	12-30V Dc Pals	12-30V DcPals	1



RZ4D1S208P

*Functions

A: Delay On
 B: Delay Off
 F1: Flasher with delay on energy
 F2: Flasher with delay off energy
 S1: Timing on energy with start input
 S2: Delay on energy with start input
 S3: Timing on energy with start input break
 S4: Delay on energy with start input (2)
 I: Waiting (Inhibit)
 P: Start possibility from front panel
 R: Reserve