



# 05. Harmony interface, measurement and control relays

# Zelio Logic smart relays



## Compact smart relays and compact "discovery" packs

<b>AC supply voltage</b>		24 VAC		48 VAC	100...240 VAC		
<b>Number of inputs/outputs</b>		12	20	20	10	12	20
<b>Number of discrete inputs</b>		8	12	12	6	8	12
<b>Number of outputs</b>		4 relay	8 relay	8 relay	4 relay	4 relay	8 relay
<b>Clock</b>		Yes	Yes	No	No	Yes	No
<b>Compact smart relays</b>	With display	SR2B121B	SR2B201B	SR2A201E	SR2A101FU (1)	SR2B121FU	SR2A201FU (1)
	Without display (1)	SR2E121B	SR2E201B	–	SR2D101FU (1)	SR2E121FU	SR2D201FU (1)
<b>Compact discovery packs (2)</b>		–	–	–	–	SR2PACKFU	–

<b>DC supply voltage</b>		12 VDC			24 VDC		
<b>Number of inputs/outputs</b>		12	20	10	12	20	20
<b>Number of discrete inputs</b>		8	12	6	8	12	12
<b>including 0-10 V analog inputs</b>		4	6	–	4	2	6
<b>Number of outputs</b>		4 relay	8 relay	4 relay	4	8 relay	8
<b>Clock</b>		Yes	Yes	No	Yes	No	Yes
<b>Compact smart relays</b>	With display	SR2B121JD	SR2B201JD	–	SR2A101BD (1)	SR2B12●BD (3)	SR2A201BD (1)
	Without display	–	–	–	SR2D101BD (1)	SR2E121BD	SR2D201BD (1)
<b>Compact discovery packs (2)</b>		–	–	–	–	SR2PACKBD	–

## Modular smart relays (4) with display and modular "discovery" packs

<b>Supply voltage</b>		24 VAC		100...240 VAC		12 VDC	24 VDC
<b>Number of inputs/outputs</b>		10	26	10	26	26	26
<b>Number of discrete inputs</b>		6	16	6	16	16	16
<b>including 0-10 V analog inputs</b>		–	–	–	–	6	6
<b>Number of outputs</b>		4 relay	10 relay	4 relay	10 relay	10 relay	4
<b>Clock</b>		Yes	Yes	Yes	Yes	Yes	Yes
<b>Modular smart relays (2)</b>		SR3B101B	SR3B261B	SR3B101FU	SR3B261FU	SR3B261JD	SR3B1●BD (5)
<b>Modular discovery packs (2)</b>		–	–	SR3PACKFU	SR3PACK2FU	–	SR3PACKBD



## Extension modules for Zelio Logic SR3B●●●●●● (6)

<b>Type of module</b>		Communication modules (4)		Discrete I/O modules (5)			Analog I/O modules
<b>Network type</b>		Modbus	Ethernet	–			–
<b>Number of inputs/outputs</b>		–	–	6	10	14	4
<b>Number of discrete inputs</b>		–	–	4	6	8	2 (0...10 V, 0...20 mA, PT100)
<b>Number of outputs</b>		–	–	2 relay	4 relay	6 relay	2 (0...10 V)
<b>References</b>	24 VAC	–	–	SR3XT61B	SR3XT101B	SR3XT141B	–
	100...240 VAC	–	–	SR3XT61FU	SR3XT101FU	SR3XT141FU	–
	12 VDC	–	–	SR3XT61JD	SR3XT101JD	SR3XT141JD	–
	24 VDC	SR3MBU01BD	SR3NET01BD	SR3XT61BD	SR3XT101BD	SR3XT141BD	SR3XT43BD

## Zelio Soft 2 software and accessories

<b>Type of device</b>	Zelio Soft multilingual programming software (6)	Connecting cables		Wireless connection	Back-up memory
<b>Description</b>	PC CD-ROM (7)	Serial PC/Smart relay	USB PC/Smart relay	Bluetooth interface	EEPROM
<b>References</b>	SR2SFT01	SR2CBL01	SR2USB01	SR2BTC01	SR2MEM02

- (1) Programming on smart relay in LADDER language only.
- (2) The packs are composed of one smart relay with display and relay output, one SR2SFT01 Zelio soft 2 software, and one SR2USB01 connecting cable.
- (3) Replace the ● with the number 1 to order a smart relay with relay output or with 2 for a smart relay with transistor output (Example: SR2B121BD).
- (4) The modular base can be equipped with one I/O extension module. The 24 VDC modular base can be equipped with one communication module and/or one I/O extension module.
- (5) Replace the ● with the number 1 to order a smart relay with relay output or with 2 for a smart relay with transistor output (Example: SR3B101BD).
- (6) The power supply of the extension modules is provided via the Zelio Logic modular relays.
- (7) CD-ROM (Windows 7 - 32 and 64 bits, Windows 8.1 - 32 and 64 bits, Windows 10) including Zelio Soft programming software, an application library, a self-training manual, installation instructions, and a user manual.

# Harmony Relay RXG and RSB electromechanical relays



## RXG interface relays

Type	RXG relays without test button				RXG relays with test button				
Contact	1 CO		2 CO		1 CO		2 CO		
Current	10 A		5 A		10 A		5 A		
Connection	Flat pins (Faston type)				Flat pins (Faston type)				
LED display	Without LED	With LED	Without LED	With LED	Without LED	With LED	Without LED	With LED	
Complete product	6 VDC	–	–	–	–	RXG12RD	RXG21RD	–	
	12 VDC	RXG15JD	RXG13JD	–	–	RXG11JD	RXG12JD	RXG21JD	RXG22JD
	24 VDC	RXG15BD	RXG13BD	RXG25BD	RXG23BD	RXG11BD	RXG12BD	RXG21BD	RXG22BD
	48 VDC	–	–	–	–	–	RXG12ED	–	RXG22ED
	110 VDC	–	–	–	–	–	RXG12FD	–	RXG22FD
	24 VAC	–	RXG13B7	RXG25B7	RXG23B7	RXG11B7	RXG12B7	RXG21B7	RXG22B7
	48 VAC	–	–	–	RXG23E7	–	RXG12E7	RXG21E7	RXG22E7
	120 VAC	RXG15F7	RXG13F7	RXG25F7	RXG23F7	RXG11F7	RXG12F7	RXG21F7	RXG22F7
	220 VAC	–	–	RXG25M7	RXG23M7	–	–	RXG21M7	RXG22M7
230 VAC	RXG15P7	RXG13P7	RXG25P7	RXG23P7	RXG11P7	RXG12P7	RXG21P7	RXG22P7	
Screw connector socket	RGZE1S35M		RGZE1S48M		RGZE1S35M		RGZE1S48M		
Push-in socket	RGZE05P		RGZE08P		RGZE05P		RGZE08P		
Pre-mounted product	24 VDC	–	RXG13BDPV	–	RXG23BDPV	–	RXG12BDPV	RXG21BDPV	RXG22BDPV
	24 VAC	–	–	–	–	–	RXG12B7PV	RXG21B7PV	RXG22B7PV
	230 VAC	–	RXG13P7PV	–	RXG23P7PV	–	RXG12P7PV	RXG21P7PV	RXG22P7PV

**Note:** RXG pre-mounted version includes relay + socket + protection module (diode for DC coil/varistor for AC coil) + clamp, sold in lots of 30 units.



## RSB interface relay

Contact	1 CO		1 CO		2 CO	
Current	12 A		16 A		8 A	
Connection	PCB Type					
Complete product	6 VDC	–	RSB1A160RD		–	
	12 VDC	RSB1A120JD	RSB1A160JD		RSB2A080JD	
	24 VDC	RSB1A120BD	RSB1A160BD		RSB2A080BD	
	48 VDC	RSB1A120ED	RSB1A160ED		RSB2A080ED	
	60 VDC	–	RSB1A160ND		–	
	110 VDC	RSB1A120FD	RSB1A160FD		RSB2A080FD	
	24 VAC	RSB1A120B7	RSB1A160B7		RSB2A080B7	
	48 VAC	RSB1A120E7	RSB1A160E7		RSB2A080E7	
	120 VAC	RSB1A120F7	RSB1A160F7		RSB2A080F7	
	220 VAC	RSB1A120M7	RSB1A160M7		RSB2A080M7	
	230 VAC	RSB1A120P7	RSB1A160P7		RSB2A080P7	
	240 VAC	RSB1A120U7	RSB1A160U7		RSB2A080U7	
	Screw connector socket	RSZE1S35M		RSZE1S48M		RSZE1S48M
Push-in socket	RSZE05P		RSZE08P		RSZE08P	
Pre-mounted product	12 VDC	RSB1A120JDPV	–		RSB2A080JDPV	
	24 VDC	RSB1A120BDPV	RSB1A160BDPV		RSB2A080BDPV	
	24 VAC	RSB1A120B7PV	–		RSB2A080B7PV	
	120 VAC	RSB1A120F7PV	–		RSB2A080F7PV	
	220 VAC	–	–		RSB2A080M7PV	
230 VAC	RSB1A120P7PV	RSB1A160P7PV		RSB2A080P7PV		

**Note:** RSB pre-mounted version includes relay + socket + protection module + clamp + label, sold in lots of 30 units.

# Harmony Relay RSL, RXM, and RPM electromechanical relays



## RSL interface relays

Type		RSL relays		Sockets for RSL relays		Pre-assembled relays/sockets	
<b>Contact</b>		1 CO		-		1 CO	
<b>Current</b>		6 A - standard 6 A - low level		-		6 A	
<b>Connection</b>		PCB pins		Screw connector Spring terminal		Screw connector Spring terminal	
<b>LED display</b>		Without LED		-		With LED	
<b>Complete product</b>	12 VAC/VDC	RSL1AB4JD	RSL1GB4JD	RSLZVA1	RSLZRA1	RSL1PVJU	RSL1PRJU
	24 VAC/VDC	RSL1AB4BD	RSL1GB4BD	RSLZVA1	RSLZRA1	RSL1PVBVU	RSL1PRBU
	48 VAC/VDC	RSL1AB4ED	RSL1GB4ED	RSLZVA2	RSLZRA2	RSL1PVEU	RSL1PREU
	60 VAC/VDC	RSL1AB4ND	RSL1GB4ND	RSLZVA2	RSLZRA2	-	-
	110 VAC/VDC	-	-	RSLZVA3	RSLZRA3	RSL1PVFU	RSL1PRFU
	230 VAC/VDC	-	-	RSLZVA4	RSLZRA4	RSL1PVPVU	RSL1PRPU



## RXM●AB miniature relays

Type		RXM●AB relays with test button								
<b>Contact</b>		2 CO		3 CO		4 CO				
<b>Current</b>		12 A		10 A		6 A				
<b>Connection</b>		Flat pins (Faston type)								
<b>LED display</b>		Without LED		With LED		Without LED		With LED		
<b>Complete product</b>	12 VDC	RXM2AB1JD	RXM2AB2JD	RXM3AB1JD	RXM3AB2JD	RXM4AB1JD	RXM4AB2JD	RXM4AB2JD	RXM4AB2JD	
	24 VDC	RXM2AB1BD	RXM2AB2BD	RXM3AB1BD	RXM3AB2BD	RXM4AB1BD	RXM4AB2BD	RXM4AB2BD	RXM4AB2BD	
	48 VDC	RXM2AB1ED	RXM2AB2ED	RXM3AB1ED	-	RXM4AB1ED	RXM4AB2ED	RXM4AB2ED	RXM4AB2ED	
	110 VDC	RXM2AB1FD	RXM2AB2FD	RXM3AB1FD	RXM3AB2FD	RXM4AB1FD	RXM4AB2FD	RXM4AB2FD	RXM4AB2FD	
	24 VAC	RXM2AB1B7	RXM2AB2B7	RXM3AB1B7	RXM3AB2B7	RXM4AB1B7	RXM4AB2B7	RXM4AB2B7	RXM4AB2B7	
	48 VAC	RXM2AB1E7	RXM2AB2E7	RXM3AB1E7	RXM3AB2E7	RXM4AB1E7	RXM4AB2E7	RXM4AB2E7	RXM4AB2E7	
	120 VAC	RXM2AB1F7	RXM2AB2F7	RXM3AB1F7	RXM3AB2F7	RXM4AB1F7	RXM4AB2F7	RXM4AB2F7	RXM4AB2F7	
	230 VAC	RXM2AB1P7	RXM2AB2P7	RXM3AB1P7	RXM3AB2P7	RXM4AB1P7	RXM4AB2P7	RXM4AB2P7	RXM4AB2P7	
	220 VDC	-	-	-	-	RXM4AB1MD	-	-	-	
	240 VDC	-	-	-	-	RXM4AB1U7	-	-	-	
	<b>Screw clamp socket (1)</b>		RXZE2M114		-		-		RXZE2M114	
	<b>Screw connector socket (1)</b>		RXZE2M114M		-		-		RXZE2M114M	
<b>Screw connector socket (2)</b>		RXZE2S108M		RXZE2S111M		-		RXZE2S114M		
<b>Push-in socket</b>		RXZE14P		-		-		RXZE14P		
<b>Pre-mounted product</b>	24 VDC	-	RXM2AB2BDPVM (3)	-		-		RXM4AB1BDPVM (3)	RXM4AB2BDPVM (3)	
	24 VAC	-	RXM2AB2B7PVM (3)	-		-		RXM4AB1B7PVM (3)	RXM4AB2B7PVM (3)	
	230 VAC	-	RXM2AB2P7PVM (3)	-		-		RXM4AB1P7PVM (3)	RXM4AB2P7PVM (3)	
	24 VDC	-	RXM2AB2BDPVS (4)	-		-		RXM4AB1BDPVS (4)	RXM4AB2BDPVS (4)	
	24 VAC	-	RXM2AB2B7PVS (4)	-		-		RXM4AB1B7PVS (4)	RXM4AB2B7PVS (4)	
	230 VAC	-	RXM2AB2P7PVS (4)	-		-		RXM4AB1P7PVS (4)	RXM4AB2P7PVS (4)	



## RPM power relays (15 A)

Type		RPM relays with test button							
<b>Contact</b>		1 CO		2 CO		3 CO		4 CO	
<b>Current</b>		15 A							
<b>Connection</b>		Flat pins (Faston type)							
<b>LED display</b>		Without LED		With LED		Without LED		With LED	
<b>Complete product</b>	12 VDC	RPM11JD	RPM12JD	RPM21JD	RPM22JD	RPM31JD	RPM32JD	RPM41JD	RPM42JD
	24 VDC	RPM11BD	RPM12BD	RPM21BD	RPM22BD	RPM31BD	RPM32BD	RPM41BD	RPM42BD
	48 VDC	RPM11ED	RPM12ED	RPM21ED	RPM22ED	RPM31ED	RPM32ED	RPM41ED	RPM42ED
	110 VDC	RPM11FD	-	RPM21FD	RPM22FD	RPM31FD	-	RPM41FD	RPM42FD
	24 VAC	RPM11B7	RPM12B7	RPM21B7	RPM22B7	RPM31B7	RPM32B7	RPM41B7	RPM42B7
	48 VAC	RPM11E7	RPM12E7	RPM21E7	RPM22E7	RPM31E7	RPM32E7	RPM41E7	RPM42E7
	120 VAC	RPM11F7	RPM12F7	RPM21F7	RPM22F7	RPM31F7	RPM32F7	RPM41F7	RPM42F7
230 VAC	RPM11P7	RPM12P7	RPM21P7	RPM22P7	RPM31P7	RPM32P7	RPM41P7	RPM42P7	
<b>Screw connector socket</b>		RPZF1		RPZF2		RPZF3		RPZF4	

(1) With mixed contacts  
 (2) With separate contacts  
 (3) RXM pre-mounted version includes relay + socket (mixed) + clamp + label, sold in lots of 30 units.  
 (4) RXM pre-mounted version includes relay + socket (seperate) + clamp + label, sold in lots of 30 units.

# Harmony Relay SSL and SSP solid state relays



## SSL1 slim interface solid state relays (DC switching)

Type	SSL1 relays (6 mm)		Screw connector sockets	Spring terminal sockets
Contact	1 NO		–	–
Load current	0.1 A	3.5 A	–	–
Load voltage	1...48 VDC		1...24 VDC	–
Complete product	3...12 VDC	SSL1D101JD	SSL1D03JD	SSLZVA1
	15...30 VDC	SSL1D101BD	SSL1D03BD	SSLZVA1
Pre-mounted product	4...12 VDC	SSL1D101JDPV (1)	SSL1D03JDPV (1)	–
	16...30 VDC	SSL1D101BDPV (1)	SSL1D03BDPV (1)	–
	4...12 VDC	SSL1D101JDPR (2)	SSL1D03JDPR (2)	–
	16...30 VDC	SSL1D101BDPR (2)	SSL1D03BDPR (2)	–

## SSL1 slim interface solid state relays (random switching)

Type	SSL1 relays (6 mm)		Screw connector sockets	Spring terminal sockets
Contact	1 NO		–	–
Load current	2 A		–	–
Load voltage	24...280 VAC		–	–
Complete product	3...12 VDC	SSL1A12JDR	SSLZVA1	SSLZRA1
	15...30 VDC	SSL1A12BDR	SSLZVA1	SSLZRA1
Load voltage	24...250 VAC		–	–
Pre-mounted product	4...12 VDC	SSL1A12JDRPV (1)	–	–
	16...30 VDC	SSL1A12BDRPV (1)	–	–
	4...12 VDC	SSL1A12JDRPR (2)	–	–
	16...30 VDC	SSL1A12BDRPR (2)	–	–

## SSL1 slim interface solid state relays (zero voltage switching)

Type	SSL1 relays (6 mm)		Screw connector sockets	Spring terminal sockets
Contact	1 NO		–	–
Load current	2 A		–	–
Load voltage	24...280 VAC		–	–
Complete product	3...12 VDC	SSL1A12JD	SSLZVA1	SSLZRA1
	15...30 VDC	SSL1A12BD	SSLZVA1	SSLZRA1
Load voltage	24...250 VAC		–	–
Pre-mounted product	4...12 VDC	SSL1A12JDPV (1)	–	–
	16...30 VDC	SSL1A12BDPV (1)	–	–
	4...12 VDC	SSL1A12JDPR (2)	–	–
	16...30 VDC	SSL1A12BDPR (2)	–	–



## 1 SSP1 1-phase panel mount solid state relays (DC switching)

Contact	1 NO		
Load current (3)	12 A	25 A	40 A
Load voltage	1...150 VDC		
Complete product (4)	3.5...32 VDC	SSP1D412BD●	SSP1D425BD●
			SSP1D440BD●

## 2 SSP1 1-phase panel mount solid state relays (zero voltage switching)

Contact	1 NO							
Load current (3)	10 A	25 A	50 A	50 A	75 A	90 A	125 A	
Load voltage	24...300 VAC	24...300 VAC	24...300 VAC	48...660 VAC	24...300 VAC	48...660 VAC	48...660 VAC	48...660 VAC
Complete product (4)	4...32 VDC	SSP1A110BD●	SSP1A125BD●	SSP1A150BD●	SSP1A450BD●	SSP1A175BD●	SSP1A475BD●	SSP1A490BD●
	90...280 VAC	SSP1A110M7T	SSP1A125M7●	SSP1A150M7●	SSP1A450M7●	SSP1A175M7T	SSP1A475M7●	SSP1A490M7●
								SSP1A4125BD●
								SSP1A4125M7●

## 3 SSP3 3-phase panel mount solid state relays (random and zero voltage switching)

Contact	3 NO			
Load current (3)	25 A		50 A	
Load voltage	48...530 VAC			
Switching	Random		Zero Voltage	
Complete product (4)	4...32 VDC	SSP3A225BDR●	SSP3A250BDR●	SSP3A225BD●
	18...36 VAC	SSP3A225B7R	SSP3A250B7R●	SSP3A225B7
	90...140 VAC	–	SSP3A250F7R●	SSP3A225F7●
	180...280 VAC	SSP3A225P7R	SSP3A250P7R●	SSP3A225P7●
				SSP3A250BD●
				SSP3A250B7●
				SSP3A250F7●
				SSP3A250P7●

(1) SSL pre-mounted version includes relay + socket (screw), sold in lots of 30 units.  
 (2) SSL pre-mounted version includes relay + socket (spring), sold in lots of 30 units.  
 (3) Please use correct heatsink for desired load current: see performance curves in product datasheets available on our website [www.schneider-electric.com](http://www.schneider-electric.com) for selection.  
 (4) ● represents T, reference is available with thermal pad (ends with T) or without thermal pad (does not end with T) options.

# Harmony Relay SSM and SSD solid state relays



## SSM modular DIN rail solid state relays (DC switching)

<b>Contact</b>	1 NO			
<b>Load current</b>	6 A		12 A	
<b>Load voltage</b>	1...60 VDC	1...100 VDC	1...60 VDC	1...100 VDC
<b>Frontal width</b>	12 mm		18 mm	
<b>Complete product</b>	4...32 VDC	<b>SSM1D26BD</b>	<b>SSM1D36BD</b>	<b>SSM1D212BD</b> <b>SSM1D312BD</b>

## SSM modular DIN rail solid state relays (random switching)

<b>Contact</b>	1 NO				2 NO	
<b>Load current</b>	6 A		12 A		6 A	
<b>Load voltage</b>	24...280 VAC	48...600 VAC	24...280 VAC	48...600 VAC	24...280 VAC	48...600 VAC
<b>Frontal width</b>	12 mm			18 mm		
<b>Complete product</b>	4...32 VDC	<b>SSM1A16BDR</b>	<b>SSM1A36BDR</b>	<b>SSM1A112BDR</b>	<b>SSM1A312BDR</b>	<b>SSM2A16BDR</b> <b>SSM2A36BDR</b>
	18...36 VAC	<b>SSM1A16B7R</b>	–	<b>SSM1A112B7R</b>	<b>SSM1A312B7R</b>	–
	90...140 VAC	–	–	<b>SSM1A112F7R</b>	<b>SSM1A312F7R</b>	–
	200...265 VAC	–	–	<b>SSM1A112P7R</b>	<b>SSM1A312P7R</b>	–

## SSM modular DIN rail solid state relays (zero voltage switching)

<b>Contact</b>	1 NO				2 NO	
<b>Load current</b>	6 A		12 A		6 A	
<b>Load voltage</b>	24...280 VAC	48...600 VAC	24...280 VAC	48...600 VAC	24...280 VAC	
<b>Frontal width</b>	12 mm			18 mm		
<b>Complete product</b>	4...32 VDC	<b>SSM1A16BD</b>	<b>SSM1A36BD</b>	<b>SSM1A112BD</b>	<b>SSM1A312BD</b>	<b>SSM2A16BD</b>
	90...140 VAC	<b>SSM1A16F7</b>	–	<b>SSM1A112F7</b>	<b>SSM1A312F7</b>	–
	200...265 VAC	<b>SSM1A16P7</b>	–	<b>SSM1A112P7</b>	–	–



## SSD modular DIN rail solid state relays (zero voltage switching)

<b>Contact</b>	1 NO							
<b>Output voltage</b>	48...600 VAC							
<b>Frontal width</b>	22.5 mm				45 mm			
<b>Load current</b>	20 A		35 A		45 A		60 A	
<b>Control voltage</b>	4...32 VDC	90...280 VAC/DC	4...32 VDC	90...280 VAC/DC	4...32 VDC	90...280 VAC/DC	4...32 VDC	90...280 VAC/DC
<b>Configuration</b>	<b>Relay</b>	<b>SSD1A320BDC1</b>	<b>SSD1A320M7C1</b>	<b>SSD1A335BDC1</b>	<b>SSD1A335M7C1</b>	–	–	–
	<b>Contactor - Screw</b>	<b>SSD1A320BDC2</b>	<b>SSD1A320M7C2</b>	<b>SSD1A335BDC2</b>	<b>SSD1A335M7C2</b>	<b>SSD1A345BDC2</b>	<b>SSD1A345M7C2</b>	<b>SSD1A360BDC2</b> <b>SSD1A360M7C2</b>
	<b>Contactor - Spring</b>	<b>SSD1A320BDC3</b>	<b>SSD1A320M7C3</b>	<b>SSD1A335BDC3</b>	<b>SSD1A335M7C3</b>	<b>SSD1A345BDC3</b>	<b>SSD1A345M7C3</b>	<b>SSD1A360BDC3</b> <b>SSD1A360M7C3</b>

## SSD modular DIN rail solid state relays (random switching)

<b>Contact</b>	1 NO							
<b>Output voltage</b>	48...600 VAC							
<b>Frontal width</b>	22.5 mm				45 mm			
<b>Load current</b>	20 A		35 A		45 A		60 A	
<b>Control voltage</b>	4...32 VDC	90...280 VAC/DC	4...32 VDC	90...280 VAC/DC	4...32 VDC	90...280 VAC/DC	4...32 VDC	90...280 VAC/DC
<b>Configuration</b>	<b>Relay</b>	<b>SSD1A320BDC1</b>	<b>SSD1A320M7C1</b>	<b>SSD1A335BDC1</b>	<b>SSD1A335M7C1</b>	–	–	–
	<b>Contactor - Screw</b>	<b>SSD1A320BDC2</b>	<b>SSD1A320M7C2</b>	<b>SSD1A335BDC2</b>	<b>SSD1A335M7C2</b>	<b>SSD1A345BDC2</b>	<b>SSD1A345M7C2</b>	<b>SSD1A360BDC2</b> <b>SSD1A360M7C2</b>
	<b>Contactor - Spring</b>	<b>SSD1A320BDC3</b>	<b>SSD1A320M7C3</b>	<b>SSD1A335BDC3</b>	<b>SSD1A335M7C3</b>	<b>SSD1A345BDC3</b>	<b>SSD1A345M7C3</b>	<b>SSD1A360BDC3</b> <b>SSD1A360M7C3</b>

## SSD modular DIN rail solid state relays (DC switching)

<b>Contact</b>	1 NO	
<b>Output voltage</b>	1...200 VDC	
<b>Control voltage</b>	4...32 VDC	
<b>Frontal width</b>	22.5 mm	
<b>Load current</b>	20 A	30 A
<b>Relay configuration</b>	<b>SSD1D520BDC1</b>	<b>SSD1D530BDC1</b>

# Harmony Control RM17, RM22, and RM35 control relays (1)



## 1 3-phase monitoring relays for DIN rail mounting

Phase loss and sequence	Yes						
Asymmetry	–	Yes	–	Yes	–	–	–
Undervoltage	–	–	Yes	–	–	–	–
> U > window mode	–	–	–	–	–	Yes	–
Measuring range	183...528 VAC	183...484 VAC	183...528 VAC	183...528 VAC	160...288 VAC	183...528 VAC	304...576 VAC
Output contacts/Current	1 CO/5 A	2 CO/5 A	1 CO/5 A		2 CO/8 A	1 CO/5 A	2 CO/8 A
Power supply	Self-powered						
Frontal width	17.5 mm			–	22.5 mm	17.5 mm	22.5 mm
Complete product	<b>RM17TG00</b>	<b>RM17TG20</b>	<b>RM17TA00</b>	<b>RM17TU00</b>	<b>RM22TU21</b>	<b>RM17TE00</b>	<b>RM22TR33</b>

## 2 3-phase monitoring relays with NFC technology for DIN rail mounting

Phase loss and sequence	Yes
Asymmetry	Yes
Overvoltage and undervoltage	Yes
Overfrequency and underfrequency	Yes
Measuring range	166...576 VAC
Output contact	2 C/O 8 A
Power supply	208...480 VAC
Frontal width	22.5 mm
Complete product	<b>RMNF22TB30</b>

## 3 3-phase voltage monitoring relays for DIN rail mounting

Detected loss of one or more phases	Yes		
Absence of neutral	–	Yes	–
Overvoltage and undervoltage	Yes	–	–
Measuring range	183...528 VAC	114...329 VAC	194...528 VAC
Output contacts/Current	1 CO/5 A	1 CO/5A for > U threshold + 1 CO/5A for < U threshold	
Power supply	Self-powered		
Frontal width	17.5 mm	35 mm	
Complete product	<b>RM17UB310</b>	<b>RM35UB3N30</b>	<b>RM35UB330</b>

## 4 Phase or DC voltage monitoring relays for DIN rail mounting

> U > window mode	Yes						
Overvoltage	Yes	–	–	–	–	–	–
Undervoltage	Yes	–	–	–	–	–	–
Measuring range	65...260 VAC/VDC	20...80 VAC/VDC	0.05...5 VAC/VDC	1...100 VAC/VDC	15...500 VAC/VDC	15...500 VAC/VDC	80...300 VAC/VDC
Output contacts/Current	1 CO/5 A		–	2 CO/8 A		–	–
Power supply	Self-powered			24...240 VAC		380...415 VAC	110...240 VAC
Frontal width	17.5 mm			22.5 mm			
Complete product	<b>RM17UBE15</b>	<b>RM17UBE16</b>	<b>RM22UA31MR</b>	<b>RM22UA32MR</b>	<b>RM22UA33MR</b>	<b>RM22UA33MT</b>	<b>RM22UB34</b>



## 5 Current monitoring relays for DIN rail mounting

Monitoring characteristics	Overcurrent	> I > window mode with/without memory					
Integrated current transformer	Yes	–					
Measuring range	2...20 A	4...1,000 mA	2...500 mA	0.15...15 A			
Output contacts/Current	1 CO/5 A	2 CO/8 A	2 CO/5 A		2 CO/8 A		
Power supply	24...240 VAC/VDC				380...415 VAC		
Frontal width	17.5 mm	22.5 mm	35 mm				
Complete product	<b>RM17JC00MW</b>	<b>RM22JA31MR</b>	<b>RM35JA31MW</b>	<b>RM35JA32MW</b>	<b>RM35JA32MR</b>	<b>RM35JA32MT</b>	

## 6 Level monitoring relays for DIN rail mounting

Level monitoring by	Resistive probe					Discrete sensor
Measuring range	5...100 kΩ		25 Ω...1 MΩ			–
Output contacts/Current	1 CO/8 A		2 CO/8 A		2 CO/5 A	1 CO/5 A
Power supply	24...240 VAC/VDC	380...415 VAC	24...240 VAC/VDC	380...415 VAC	24...240 VAC/VDC	24...240 VAC/VDC
Frontal width	22.5 mm				35 mm	
Complete product	<b>RM22LG11MR</b>	<b>RM22LG11MT</b>	<b>RM22LA32MR</b>	<b>RM22LA32MT</b>	<b>RM35LM33MW</b>	<b>RM35LV14MW</b>

(1) Please consult our general catalog for other application relays available for motor temperature monitoring and pump, frequency, speed, or temperature control.

# Harmony Time electronic timing relays



## 1 Timing relays with screw/spring terminals for DIN rail mounting, 1 contact

<b>Type</b>	1 function	2 functions	2 functions	1 function	Multifunction	Multifunction
<b>Functions (1)</b>	A	A, At	L, Li	C	A, At, B, C, H, Ht, D, Di, Ac, Bw	Ad, Ah, N, O, P, Pt, T, Tt, W
<b>Timing range</b>	0.1 s...100 h					
<b>Type of output/current</b>	1 solid state 0.7 A	1 relay output 1 CO/8 A				
<b>Power supply</b>	24...240 VAC/VDC	24 VDC, 24...240 VAC			12...240 VAC/VDC	24 VDC, 24...240 VAC
<b>Frontal width</b>	17.5 mm					
<b>Complete product (2)</b>	<b>RE17LAMW</b>	<b>RE17RAMU</b>	<b>RE17RLMU</b>	<b>RE17RCMU</b>	<b>RE17RMMW</b>	<b>RE17RMXMU</b>

## 2 Timing relays with screw terminals for DIN rail mounting, 2 contacts

<b>Type</b>	3 functions	2 functions	Multifunction
<b>Functions (1)</b>	A, At, Aw	C, Ct	A, At, Aw, C, Ct, D, Dt, Dw, Di, Dit, Diw, H, Ht, Hw, Qg, Qgt, Qgw, Qt, Qtt, Qtw, W, Wt
<b>Timing range</b>	0.05 s...300 h		
<b>Type of output/current</b>	2 CO/8 A		
<b>Power supply</b>	24 VDC, 24...240 VAC		
<b>Frontal width</b>	22.5 mm		
<b>Complete product</b>	<b>RE22R1MAMR</b>	<b>RE22R2CMR</b>	<b>RE22R2MYMR</b>

## 3 Timing relays with NFC technology for DIN rail mounting, screw terminals, 2 contacts

<b>Type</b>	Multifunction
<b>Functions (1)</b>	A, Ac, Ad, Ah, Ak, At, B, Bw, C, D, Di, Dt, Dit, H, Ht, L, Li, Lt, Lit, N, O, P, Pt, Qt, Qtt, Ti, Tt, W
<b>Timing range</b>	0.1 s...999 h
<b>Type of output/current</b>	2 CO/8 A
<b>Power supply</b>	24...240 VDC/VAC
<b>Frontal width</b>	22.5 mm
<b>Complete product</b>	<b>RENF22R2MMW</b>

## 4 Miniature plug-in timing relays for DIN rail mounting

<b>Function (1)</b>	A (power on-delay)					
<b>Timing range</b>	0.1 s...100 h					
<b>Type of output/current</b>	2 CO/5 A			4 CO/5 A		
<b>Power supply</b>	24 VDC	120 VAC	230 VAC	24 VDC	120 VAC	230 VAC
<b>Dimension</b>	21 x 27 mm miniature plug-in					
<b>Complete product</b>	<b>REXL2TMBD</b>	<b>REXL2TMF7</b>	<b>REXL2TMP7</b>	<b>REXL4TMBD</b>	<b>REXL4TMF7</b>	<b>REXL4TMP7</b>
<b>Screw connector socket (3)</b>	<b>RXZE2S108M</b>			<b>RXZE2S114M</b>		

## 5 48 x 48 mm analog plug-in (8-pin) timing relays for DIN rail or front panel mounting

<b>Type</b>	1 function	4 functions	2 functions	4 functions
<b>Functions (1)</b>	A	A1, A2, H1, H2	L, Li	A, B, C, Di
<b>Timing range</b>	0.02 s...300 h			
<b>Type of output/current</b>	1 CO/5 A	1 + 1 (instant.)/5 A	2 CO/5 A	
<b>Power supply</b>	24...240 VAC/VDC			
<b>Dimension</b>	48 x 48 mm analog panel-mounted or plug-in			
<b>Complete product</b>	<b>RE48ATM12MW</b>	<b>RE48AMH13MW</b>	<b>RE48ACV12MW</b>	<b>RE48AML12MW</b>
<b>Screw connector socket (4)</b>	<b>RUC2M</b>		<b>RUC3M</b>	

<p>A: power on-delay relay          Ac: on-delay &amp; off-delay relay (5)          Act: on-delay &amp; off-delay relay (5) (6)          Ad: pulse delayed relay (5)          Ah: pulse delayed relay (single cycle) (5)          Ak: asymmetrical on-delay &amp; off-delay relay (5)          Akt: asymmetrical on-delay &amp; off-delay relay (5) (6)          At: power on-delay relay (6)          Aw: power on-delay relay with retrigger/restart control signal          A1: power on-delay relay (R1 instantaneous, R2 timed)          A2: power on-delay relay (both R1/R2 timed)          B: interval relay (5)          Bw: double interval relay (5)          C: off-delay relay (5)          Ct: off-delay relay (6)          D: symmetrical flashing relay (starting pulse-off)          Di: symmetrical flashing relay (starting pulse-on)</p>	<p>Dit: symmetrical flashing relay (starting pulse-on) (6)          Diw: symmetrical flashing relay (starting pulse-on) with retrigger/restart control signal          Dt: symmetrical flashing relay (starting pulse-off) (6)          Dw: symmetrical flashing relay (starting pulse-off) with retrigger/restart control signal          H: interval relay          He: pulse on de-energization relay          Ht: interval relay (6)          Hw: interval relay with retrigger/restart control signal          H1: interval relay (R1 instantaneous, R2 timed)          H2: interval relay (both R1/R2 timed)          K: delay on de-energization relay (without auxiliary supply)          L: asymmetrical flashing relay (starting pulse-off)          Li: symmetrical flashing relay (starting pulse-on)          Lt: symmetrical flashing relay (6)          N: safeguard relay</p>	<p>O: delayed safeguard relay          P: pulse delayed relay with fixed pulse length          Pt: pulse delayed relay with fixed pulse length (6)          Qc: star-delta timing relay, 1 CO output          Qe: star-delta timing relay, 1 NC + 1 NO output &amp; split common          Qg: star-delta timing relay, 2 CO outputs &amp; same common          Qgt: star-delta timing relay, 2 CO outputs &amp; same common (6)          Qt: star-delta timing relay, 2 CO outputs &amp; split common          Qtt: star-delta timing relay, 2 CO outputs &amp; split common (6)          Tt: retriggerable bistable relay with control signal on          W: interval relay with control signal off          Wt: interval relay with control signal off (6)</p>
--	---	--

(1) For more details about functions, please refer to the technical descriptions and schemes on our website [www.schneider-electric.com](http://www.schneider-electric.com).

(2) For spring terminal version, order RE17●●S, e.g. RE17RMMWS.

(3) With separate contacts

(4) With mixed contacts

(5) With control signal

(6) With pause-summation control signal