

NO: SR-106  
DATE: April 2021

PRODUCT: SR2 Series  
TYPE: Discontinuation Notice

## SR2 Series - Safety Relays Discontinuation Notice

Discontinuation Date: March 31<sup>st</sup>, 2022

Last Order Date: December 31<sup>st</sup>, 2021

### SR2 Series Safety Relays



**SR201A01**



**SR203AM**



**SR208AD/209AD**



**SR223SMT**



**SR231A**

## Difference between recommended replacement and discontinued model

Recommended replacement Model	Appearance	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
N/A	-	-	-	-	-	-	-

- \*\* : Compatible
- \* : The change is almost compatible
- : Not compatible
- : No corresponding specification

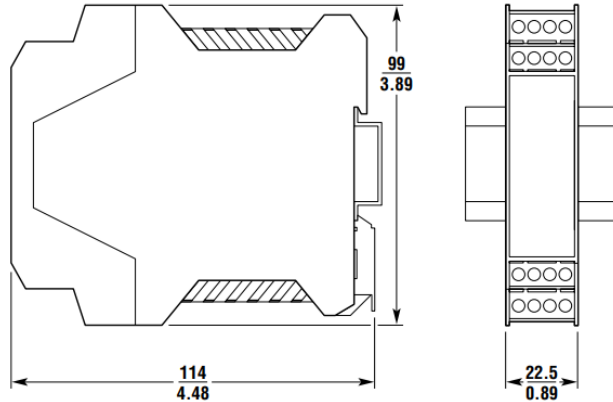
## Discontinued Product

Discontinued Model			Recommended
Omron Product Code	ORT P/N	Model	Replacement Model
SL0A1359R	44510-2011	SR201A01	N/A
SL0A1391B	44510-2031	SR203AM01	N/A
SL0A1471D	44510-2032	SR203AM02	N/A
SL0A1578H	44510-2081	SR208AD01	N/A
SL0A1595H	44510-2082	SR208AD02	N/A
SL0A1567B	44510-2091	SR209AD01	N/A
SL0A1437D	44510-2231	SR223SMT01	N/A
SL0A1419F	44510-2310	SR231A00	N/A

## Dimensions/Specifications

### Discontinued Product

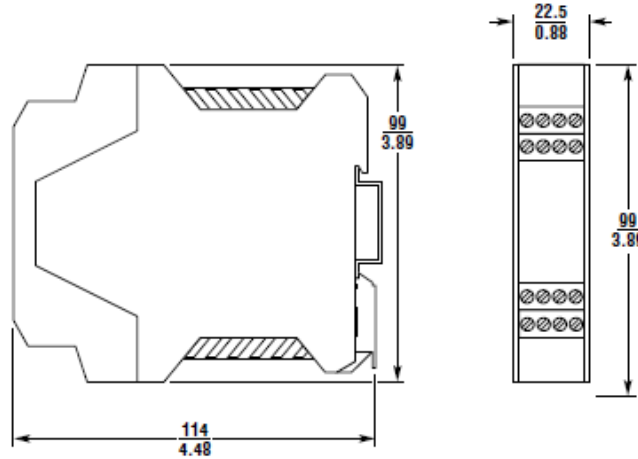
#### SR201A01



Electrical	All Models	SR201A01	SR201A02
Power Supply:	±10%	24 VAC/DC	110 VAC
Power Consumption:		<2.5 VA	<7 VA
Internal Fuse:	n/a		
Safety Inputs:	1 N/C single channel (not monitored)		
Relay Outputs:	3 N/O + 1 N/C auxiliary solid state		
Max Switched AC:	Inductive AC-15, 1800 VA inrush, 180 VA maintained		
Max Switched DC:	Inductive DC-13, 2 A/24 V		
Min Switched Current/Voltage:	10 mA/17 V (provided that the contact has never been used with higher loads)		
Impulse Withstand Voltage:	3000 V		
Max Drop-Out Time:	100 ms		
Max Output Fuse:	4 A slow-acting fuse or 6 A quick-acting fuse		
Reset Mode:	Automatic/manual		
External Device Monitoring (EDM):	N/C loop between Y1 and Y2		
<b>Mechanical</b>			
Mounting:	35 mm (1.38 in.) DIN rail		
Case Material:	Polyamide PA6.6		
Max Wire Size:	0.2 to 1.5 mm <sup>2</sup> (24 to 16 AWG)		
Weight:		160 g (5.6 oz.)	210 g (7.4 oz.)
Color:	Red		
External Switches:	None		
Indication:	Green = Power on, Green = K1 + K2 closed		
Mechanical Life:	1 x 10 <sup>6</sup> operations		
<b>Environmental</b>			
Enclosure Protection:	IP20 terminals, IP40 (NEMA 1) housing		
Operating Temperature:	-10 to 55°C (14 to 131°F)		
<b>Compliance</b>			
Standards:	EN60947-1/5, EN61000-6, EN62061, EN ISO 12100-2, EN ISO 13849-1/2, EN ISO 13850		
Approvals/Listings:	CE-marked for all applicable standards, UL and C-UL, CSA, TÜV Rheinland		
<b>Reliability Data</b>			
per EN ISO 13849-1:	Cat. 4, PLe, PFHd 3.45E-09		

## Discontinued Product

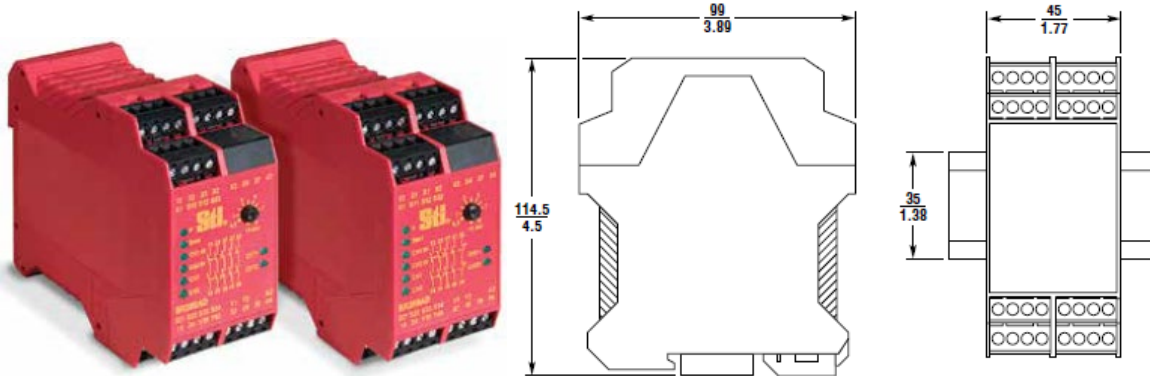
### SR203AM01/02



Electrical	All Models	SR203M01 & SR203AM01	SR203M02 & SR203AM02
Power Supply:	±10%, 50-60 Hz	24 VAC/DC	115 VAC
Power Consumption:	Approx. 2 W		
Safety Inputs:	1 N/C or 2 N/C or 2 PNP (light curtain)		
Outputs:	3 N/O safety, 1 N/C auxiliary		
Output Rating AC:	Inductive AC-15, 5 A/230 VAC		
Output Rating DC:	Inductive DC-13, 3 A/24 VDC		
Min Switched Current/Voltage:	10 mA/10 V		
Impulse Withstand Voltage:	2500 V		
Max Drop-Out Time:	15 ms (while energized)		
Max Output Fuse:	10 A quick-acting or 6 A slow-acting		
Reset Mode:	Monitored manual (SR203M) or auto/manual (SR203A)		
External Device Monitoring (EDM):	N/C loop S12-S34		
<b>Mechanical</b>			
Mounting:	35 mm (1.38 in.) DIN rail		
Case Material:	Polyamide PA6.6		
Max Wire Size:	0.2 to 4 mm <sup>2</sup> (24-12 AWG)		
Weight:		210 g (7.4 oz.)	260 g (9.2 oz.)
Color:	Red		
External Switches:	None		
Indication:	Green = Power, Green = CH1 Closed, Green = CH2 Closed		
Mechanical Life:	2 x 10 <sup>6</sup> operations		
<b>Environmental</b>			
Enclosure Protection:	IP20 terminals, IP40 (NEMA 1) housing		
Operating Temperature:	-5 to 55°C (23 to 131°F)		
Humidity:	90% RH		
<b>Compliance</b>			
Standards:	EN 60204-1, EN 954-1, ISO TR12100		
Approvals/Listings:	CE marked for all applicable directives, UL and C-UL		
<b>Reliability Data</b>			
per EN ISO 13849-1:	Cat. 4, PL <sub>e</sub> , PFH <sub>d</sub> 1.45E-09		

## Discontinued Product

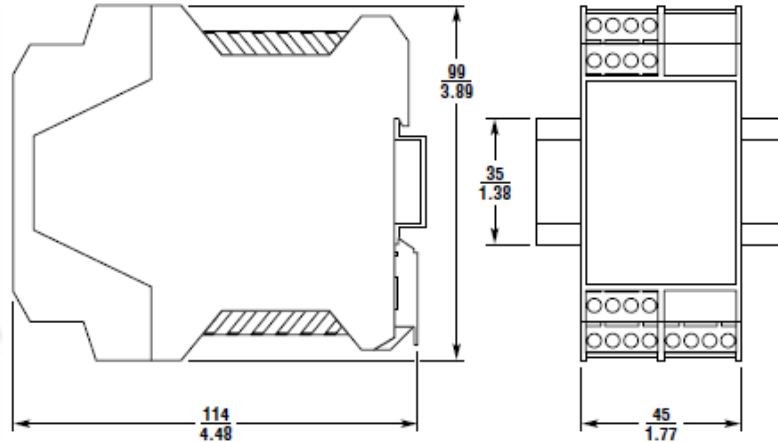
### SR208AD01/02, SR209AD01



Electrical	All Models	SR208AD01 & SR209AD01	SR208AD02 & SR209AD02
Power Supply:	±10%, 50-60 Hz	24 VAC/DC	115 VAC
Power Consumption:	4 W		
Safety inputs:	1 N/C or 2 N/C or 2 PNP (light curtain)		
Outputs:	SR208AD: 2 N/O safety, 3 N/O safety delayed* <sup>1</sup>		
	SR209AD: 2 N/O safety, 2 N/O safety delayed* <sup>1</sup> , 1 N/C delayed aux		
Max Switched AC:	Inductive AC-15, 6 A/250 VAC		
Max Switched DC:	Inductive DC-13, 3 A/24 VDC		
Min Switched Current/Voltage:	10 mA/10 V		
Impulse Withstand Voltage:	2500 V		
Max Drop-Out Time:	15 ms (0.5 to 10 sec. delayed outputs)		
Max Output Fuse:	6 A slow-acting fuse or 10 A quick-acting fuse		
Reset Mode:	Monitored manual or auto/manual		
External Device Monitoring (EDM):	N/C loop between Y1 and Y2		
<b>Mechanical</b>			
Mounting:	35 mm (1.38 in.) DIN rail		
Case Material:	Polyamide PA6.6		
Max Wire Size:	0.2 to 4 mm <sup>2</sup> (24-12 AWG)		
Weight:		350 g (12.3 oz.)	490 g (17.3 oz.)
Color:	Red		
External Switches:	Output delay adjustment (0.5 to 10 sec.)		
Indication:	Green = Power, Green = CH1 Closed, Green = CH2 Closed, Green = CHT1 Closed, Green = CHT2 Closed		
Mechanical Life:	2 x 10 <sup>6</sup> operations		
<b>Environmental</b>			
Enclosure Protection:	IP20 terminals, IP40 (NEMA 1) housing		
Operating Temperature:	-5 to 55°C (23 to 131°F)		
Humidity:	90% RH		
<b>Compliance</b>			
Standards:	EN60204-1, EN ISO 13849-1, ISO TR12100		
Approvals/Listings:	CE marked for all applicable directives, UL and C-UL		
<b>Reliability Data</b>			
per EN ISO 13849-1:	Cat. 4, PL <sub>e</sub> , PFHd 2.38E-09		

## Discontinued Product

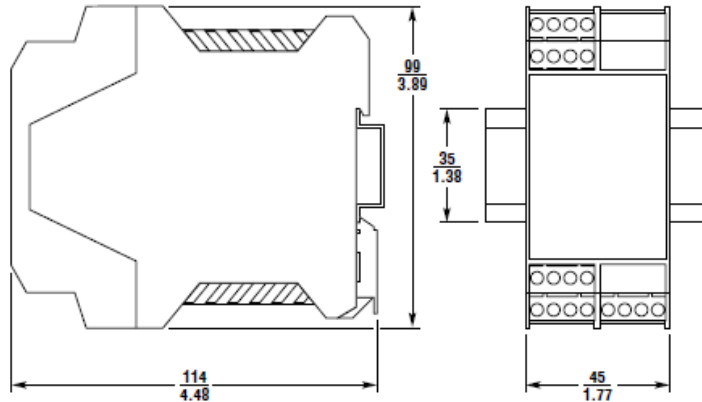
### SR223SMT01



Electrical	All Models	SR223SMT01	SR223SMT02
Power Supply:	±10%	24 VAC/DC	115 VAC
Power Consumption:		≤ 4.3 VA/2.3 W	≤ 6.5 VA
Internal Fuse:	Electronic		
Safety Inputs:	None		
Relay Outputs:	1 N/O + 2 N/C switched at preset time delay (1-31 sec.)		
Auxiliary Outputs:	2 solid state for signaling		
Max. Switched AC:	Inductive AC-15, 1800 VA inrush, 180 VA maintained		
Max. Switched DC:	Inductive DC-13, 1.5 A/24 V		
Min Switched Current/Voltage:	10 mA/17 V (provided that the contact has never been used with higher loads)		
Impulse Withstand Voltage:	4000 V		
Max Drop-Out Time:	n/a		
Max Output Fuse:	4 A slow-acting or 6 A fast-acting		
Reset Mode:	Time function is reset only by interrupting the supply voltage		
External Device Monitoring (EDM):	N/C loop between Y1 and Y2		
<b>Mechanical</b>			
Mounting:	35 mm (1.38 in.) DIN rail		
Case Material:	Polyamide PA6.6		
Max Wire Size:	2 x 1.5 mm (16 AWG) stranded		
Weight:	AC version: 360 g (12.7 oz.); DC version: 250 g (8.8 oz.)		
Color:	Red with black body		
External Adjustment:	Time delay via 2 potentiometers		
Indication:	Green: Power on, Green: Outputs activated Green: Feedback closed, Green: Timer activated		
<b>Environmental</b>			
Enclosure Protection:	IP20 terminals, IP40 (NEMA 1) housing		
Operating Temperature:	-10 to 55°C (14 to 131°F)		
<b>Compliance</b>			
Standards:	EN60947-1/5, EN61000-6, EN62061, EN ISO 12100-2, EN ISO 13849-1/28		
Approvals/Listings:	CE-marked for all applicable directives, UL and C-UL, CSA, TÜV Rheinland		
<b>Reliability Data</b>			
per EN ISO 13849-1:	Cat. 3, PLd, PFHd 1.30E-07		

## Discontinued Product

### SR231A00



Electrical	All Models	SR223SMT01	SR223SMT02
Power Supply:	±10%	24 VAC/DC	115 VAC
Power Consumption:		≤ 4.3 VA/2.3 W	≤ 6.5 VA
Internal Fuse:	Electronic		
Safety Inputs:	None		
Relay Outputs:	1 N/O + 2 N/C switched at preset time delay (1-31 sec.)		
Auxiliary Outputs:	2 solid state for signaling		
Max. Switched AC:	Inductive AC-15, 1800 VA inrush, 180 VA maintained		
Max. Switched DC:	Inductive DC-13, 1.5 A/24 V		
Min Switched Current/Voltage:	10 mA/17 V (provided that the contact has never been used with higher loads)		
Impulse Withstand Voltage:	4000 V		
Max Drop-Out Time:	n/a		
Max Output Fuse:	4 A slow-acting or 6 A fast-acting		
Reset Mode:	Time function is reset only by interrupting the supply voltage		
External Device Monitoring (EDM):	N/C loop between Y1 and Y2		
<b>Mechanical</b>			
Mounting:	35 mm (1.38 in.) DIN rail		
Case Material:	Polyamide PA6.6		
Max Wire Size:	2 x 1.5 mm (16 AWG) stranded		
Weight:	AC version: 360 g (12.7 oz.); DC version: 250 g (8.8 oz.)		
Color:	Red with black body		
External Adjustment:	Time delay via 2 potentiometers		
Indication:	Green: Power on, Green: Outputs activated Green: Feedback closed, Green: Timer activated		
<b>Environmental</b>			
Enclosure Protection:	IP20 terminals, IP40 (NEMA 1) housing		
Operating Temperature:	-10 to 55°C (14 to 131°F)		
<b>Compliance</b>			
Standards:	EN60947-1/5, EN61000-6, EN62061, EN ISO 12100-2, EN ISO 13849-1/28		
Approvals/Listings:	CE-marked for all applicable directives, UL and C-UL, CSA, TÜV Rheinland		
<b>Reliability Data</b>			
per EN ISO 13849-1:	Cat. 3, PLd, PFHd 1.30E-07		

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, product specifications, instructions, and manuals for precautions and necessary information when using products