

Relay, SE Relays, solid state, SPST NO, 10A, 24 to 280 VAC, 90 to 208 VAC, SCR, AC zero cross

861SSR210-AC-1

! Discontinued on: Dec 5, 2023



Product availability: Non-Stock - Not normally stocked in distribution facility

### Main

Range	Legacy	
Product Type	Solid state relay	
maximum output current	10 A AC	
Mounting Support	Panel Carril DIN	
Network Number of Phases	1 phase	
Output Voltage	24280 V AC	
Control Circuit Voltage	90280 V AC	

# Complementary

Holding Current	50 mA	
Input Current Limits	20 mA at 240 V AC typical	
Switch Function	SPST	
Contacts Type and Composition	NO	
Tightening Torque	0.8 N.m for input/output	
Connections Terminals	Input/output screw clamp terminal 0.004 in² (2.5 mm²) AWG 14)	
Local Signalling	1 LED (green) for input status	
Switching Device	SCR output Zero voltage switching	
Load Current	10 A at nominal load 8 A incandescent lamp 4.5 A motor	
Overload Current	24 A for 1 second	
Surge Current	500 A 1 cycle	
Must Release Voltage	10 V	
Voltage Drop	<1.6 V peak AC <1.25 V on-state AC	
Thermal Resistance	0.66 °C/W	
Maximum I²t for fusing	1250 A².s 8.3 ms	
Leakage Current	6 mA at off-state 240 V AC	
DV/dt	500 V/μs off-state at maximum rated voltage	

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Response Time	40 ms (turn-off) 40 ms (turn-on)	
Dielectric Strength	4000 V between input and output 2500 V between terminals and chassis	
Height	2.6 in (65 mm)	
Width	0.62 in (15.75 mm)	
Depth	3.54 in (89.83 mm)	
Product Weight	4.5 oz (127.1 g)	
Device Presentation	Complete device	

# **Environment**

Product Certifications	CE CSA UL	
IP Degree of Protection	IP20	
Ambient Air Temperature for Operation	-22176 °F (-3080 °C)	
Ambient Air Temperature for Storage	-40212 °F (-40100 °C)	

# Ordering and shipping details

Category	US10CP221127	
Discount Schedule	0CP2	
GTIN	3606480282218	
Returnability	No	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.64 in (9.24 cm)
Package 1 Width	0.69 in (1.76 cm)
Package 1 Length	2.56 in (6.5 cm)
Package 1 Weight	4.5 oz (127.1 g)



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

#### **Use Better**

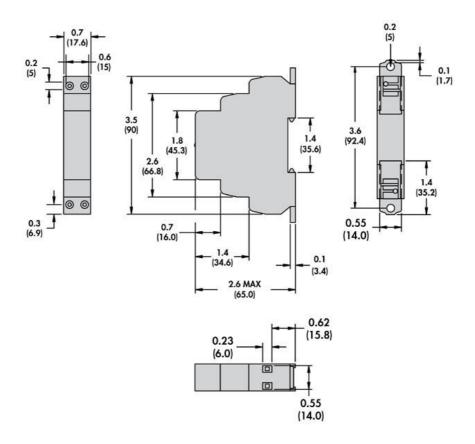
Materials and Substances	
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

#### **Use Again**

○ Repack and remanufacture	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

**Dimensions Drawings** 

## **Approximate Dimensions**



Connections and Schema

### **Connections and Wiring Diagrams**

