

# 861HSSR210-AC-1

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

## Main

Range	Legacy
Product Type	Solid state relay
Maximum output current	10 A AC
Mounting Support	Panel DIN rail
Network Number of Phases	1 phase
Output Voltage	3...150 V DC
Control Circuit Voltage	90...280 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 in <sup>2</sup> (2.5 mm <sup>2</sup> ) AWG 14)
Local Signalling	For input status 1 LED (green)
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 I <sup>2</sup> t for fusing	1250 A <sup>2</sup> .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
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 (89.93 mm)
Product Weight	4.5 oz (127.1 g)
Device Presentation	Complete device

## Environment

Product Certifications	CE[RETURN]CSA[RETURN]UL
IP Degree of Protection	IP20
Ambient Air Temperature for Operation	-22...176 °F (-30...80 °C)
Ambient Air Temperature for Storage	-40...212 °F (-40...100 °C)




## Ordering and shipping details

Category	US10CP222375
Discount Schedule	0CP2
GTIN	3606480282133
Returnability	Yes
Country of origin	IN

## 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	2.6 in (6.5 cm)
Package 1 Weight	4.5 oz (127.1 g)

## Offer Sustainability

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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> "
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.