

# 861HSSR610-AC-1

Relay, Legacy, solid state, SPST NO, 10A, 48...600 VAC, 90...208 VAC, SCR, AC zero cross, hazardous locations approved



## Main

Range	Legacy
Product Type	Solid state relay
Nominal Output Current	10 A for AC
Network Number of Phases	1 phase
Mounting Support	Panel DIN rail
Output Voltage	48...600 V AC
Control Circuit Voltage	90...280 V AC

## Complementary

Input Impedance	16...25 kOhm
Holding Current	50 mA
Input Current Limits	12 mA 5 V DC typical
Switch Function	SPST
Contacts Type and Composition	NO
Tightening Torque	0.8 N.m input/output
Connections Terminals	Input/output screw clamp terminal 0.00 in <sup>2</sup> (2.5 mm <sup>2</sup> ) AWG 14)
Local Signalling	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	600 A <sup>2</sup> .s 8.3 ms
Leakage Current	6 mA at off-state 600 V AC
DV/dt	200 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	2.56 in (65 mm)
Width	0.62 in (15.75 mm)
Depth	3.54 in (89.93 mm)
Product Weight	4.48 oz (127.1 g)
Device Presentation	Complete device

## Environment

Product Certifications	CE CSA 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)

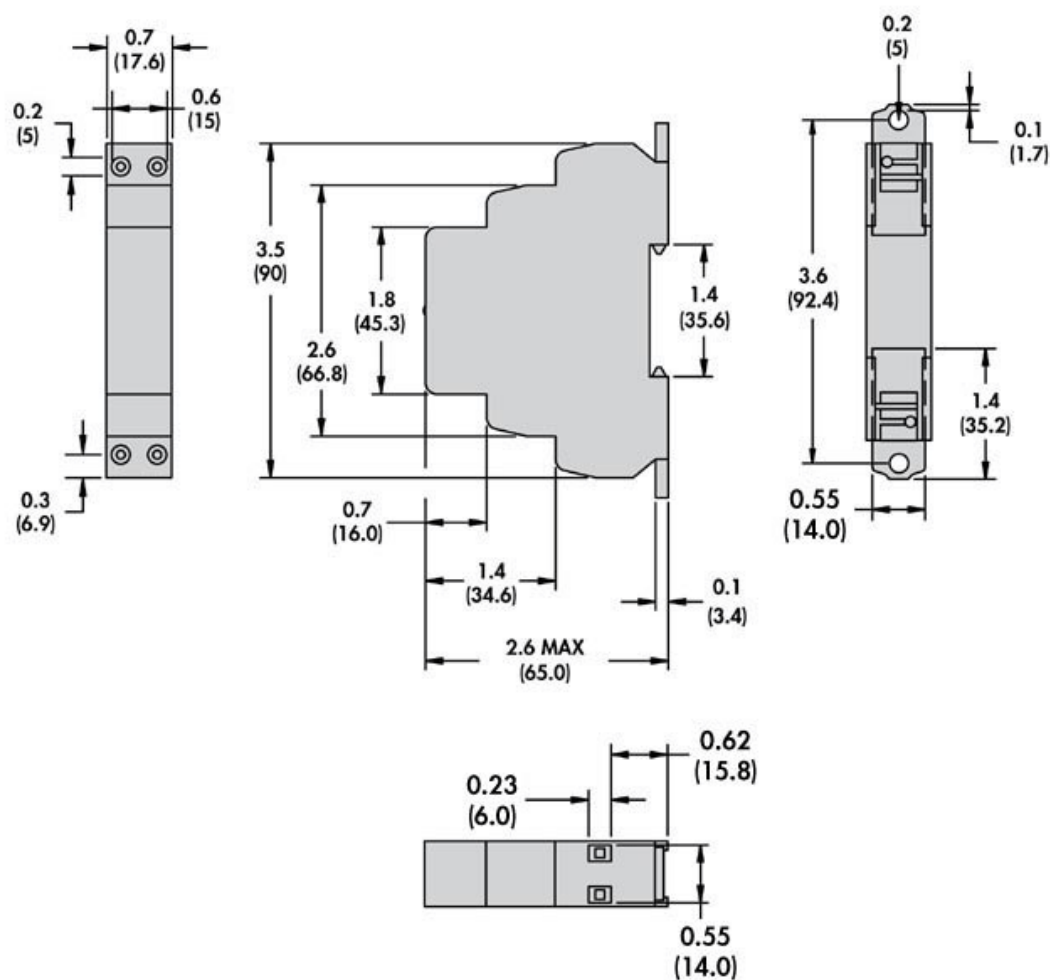
## Ordering and shipping details

GTIN	03606480282171
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## 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) <a href="#">EU RoHS Declaration</a>
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.

Approximate Dimensions



Connections and Wiring Diagrams

