Product data sheet Characteristics

6312AXXMDS-DC3

Relay, SE Relays, solid state, SPST NO, 12A, 3...200 VDC, 3...32 VDC Uc, MOSFET DC switching, screw terminal



Main

Man	
Range	Legacy
Product Type	Solid state relay
Maximum output current	12 A DC
Mounting Support	Panel
Network Number of Phases	1 phase
Output Voltage	3200 V DC
Control Circuit Voltage	3.532 V DC

Complementary

Complementary	
Input Impedance	1 kOhm
Holding Current	20 mA
Input Current Limits	10 mA DC typical
Switch Function	SPST
Contacts Type and Composition	NO
Protection Technology	Current limiter
Tightening Torque	10 lb.in for input 20 lb.in for output
Connections Terminals	Input screw clamp terminal, 1 Output screw clamp terminals, 1
Screw Type	M3.5 M4
Local Signalling	For input status 1 LED (green)
Switching Device	Mosfet output DC switching
Maximum Peak Voltage	200 V
Surge Current	27 A 16.6 ms
Must Release Voltage	1 V
Voltage Drop	<2.8 V on-state DC
Power Factor	With maximum load
Insulating Resistance	1 GΩ
Thermal Resistance	1.06 °C/W
Leakage Current	8 mA at off-state
Response Time	300 ms (turn-on) 1 ms (turn-off)
Dielectric Strength	2500 V between input and ground 2500 V between output and ground 2500 V between input and output
Height	1.39 in (35.3 mm)
Width	1.85 in (47.1 mm)
Depth	2.30 in (58.4 mm)
Product Weight	3.05 oz (86.5 g)

Environment

2	
Product Certifications	UL CSA CE
IP Degree of Protection	IP20
Ambient Air Temperature for Operation	-40176 °F (-4080 °C)
Ambient Air Temperature for Storage	-40212 °F (-40100 °C)

Ordering and shipping details

GTIN	3606480277399
Nbr. of units in pkg.	1
Package weight(Lbs)	3.05 oz (86.5 g)

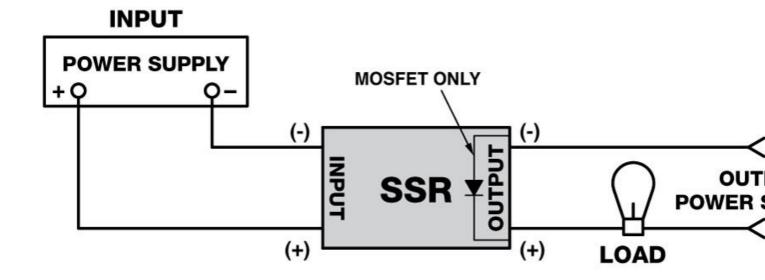
Packing Units

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Unit Type of Package 1	PCE
Package 1 Height	2.28 in (5.791 cm)
Package 1 width	1.71 in (4.342 cm)
Package 1 Length	1.74 in (4.414 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	1
Package 2 Weight	3.05 oz (86.5 g)
Package 2 Height	2.52 in (6.4 cm)
Package 2 width	1.46 in (3.7 cm)
Package 2 Length	1.85 in (4.7 cm)
Unit Type of Package 3	CAR
Number of Units in Package 3	50
Package 3 Weight	14.48 lb(US) (6.57 kg)
Package 3 Height	5.31 in (13.5 cm)
Package 3 width	9.06 in (23 cm)
Package 3 Length	10.63 in (27 cm)

Offer Sustainability

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
☑ REACh Declaration
Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Yes
₫Yes
☑ China RoHS Declaration
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Connections and Wiring Diagrams



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Schneider Electric: 6312AXXMDS-DC3