



Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Provided accessory	Thermal pad
Device short name	SSP1
Phase	1 phase
Contacts type and configuration	1 NO
Line Rated Current	50 A
Solid state output type	Zero voltage switching SCR output

Complementary

[Uc] control circuit voltage	90...280 V AC
Minimum switching voltage	90 V AC turn-on
Maximum switching voltage	10 V AC turn-off
Response time	30 ms turn-off 25 ms turn-on
Input current	5...10 mA
Output voltage	48...660 V
Load current	0.15...50 A
Transient overvoltage	1200 V
Surge current	≤ 625 A for 16.6 ms
Maximum I ² t for fusing	1770 A ² .s for 10 ms at 50 Hz half cycle 1629 A ² .s for 8.33 ms at 60 Hz half cycle
Co-ordination type	Type 1 - 40 A miniature circuit breaker (MCB) - curve B Type 2 - 32 A miniature circuit breaker (MCB) - curve B
Leakage current	≤ 1 mA off-state
Voltage drop	1.15 V on-state
DV/Dt	500 V/ μ s off-state at maximum voltage

Power factor	0.5 with maximum load
Motor controller rating	0.75 hp 120 V AC 2 hp 240 V AC 5 hp 480 V AC
Insulation resistance	1000 MOhm at 500 V DC
Maximum capacitance	8 pF input/output
Dielectric strength	4 kV AC input/output 4 kV AC input or output to case
[Uimp] rated impulse withstand voltage	6 kV output to case 6 kV input to output
Tightening torque	1.5...1.7 N.m input 2...2.2 N.m output
Connections - terminals	Forked type tag connectors : 9.2 x 4 mm input Ring lugs : 9.2 x 4 mm input Forked type tag connectors : 11.7 x 4.5 mm output Ring lugs : 11.7 x 4.5 mm output Screw terminals : 0.2...3.3 mm ² , (AWG 24...AWG 12) with cable end input Screw terminals : 0.5...5.26 mm ² , (AWG 20...AWG 10) with cable end output Screw terminals : 0.2...3.3 mm ² , (AWG 24...AWG 12) without cable end input Screw terminals : 0.5...8.26 mm ² , (AWG 20...AWG 8) without cable end output
Thermal resistance	0.45 °C/W junction to case
Thermal pad impedance	0.48 °C-in ² /W at 25 psi
LED indicator	LED, green input
IP degree of protection	IP20
Safety reliability data	MTTFd = 1875.9 years B10d = 1731395
Product weight	3.15 oz (89.2 g)

Environment

Ambient air temperature for operation	-40...176 °F (-40...80 °C)
Ambient air temperature for storage	-40...257 °F (-40...125 °C)
Pollution degree	2
Overvoltage category	III
Product certifications	CE CSA RoHS UL REACH EAC
Marking	CE CSA UL EAC
Standards	EN/IEC 60950-1 UL 508 EN/IEC 62314 CSA C22.2 No 14-13

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901533689
Nbr. of units in pkg.	1
Package weight(Lbs)	0.22
Returnability	Y
Country of origin	MX

Offer Sustainability

Sustainable offer status	Green Premium product
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RoHS (date code: YYWW)	Compliant - since 1522 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov