Honeywell FC-RUSIO-3224
Manufacturer : Honeywell

Product No. : FC-RUSIO-3224

Product Type : Remote Universal Safe IO device (32 channels, 24 Vdc)

Operating temperature : Outside module temperature : －40° C ... +70° C (－40° F ... +158° F), Inside module temperature : －40° C ... +90° C (－40° F ... +194° F)

Storage temperature : －40° C ... +85° C (－40° F ... +185° F)

Relative humidity : 10 ... 95% (non condensing)

Pollution : Pollution degree 2 or better

Approvals : CE; UL, TUV pending

Supply voltage : 24 Vdc -15% ... +30%

Supply current : max 300mA (without field load)

Reverse polarity protection : parallel diode (blows the fuse)

Dimensions (L x W x H): 7.24 cm x 16.51 cm x 14.5 cm

Weight : 0.7 Kg

LED indication Status
Power LED Green, steady Power to the module is switched on
Off Power to the module is switched off
Status LED Green, steady Running without hardware fault
Red, steady Running with hardware fault(s)
Green, flashing, toggle 1 Hz Idle without hardware fault
Red, flashing, toggle 1 Hz Idle with hardware fault(s)
Red, flashing, toggle 4 Hz Application / firmware loading
Off Module has stopped
Open voltage: 24 V DC -20% ... +30%
Closed contact current: 7 mA ± 5% (at 24 V DC)
Switch resistor (single): 1 kOhm ± 5% >0.25 W
Switch zener (multiple): 7.5 Volt
Open contact current: < 4 mA ± 5%
Short circuit detection: field resistance < 500 Ohm ± 50%
ESD to outputs off delay: 10 ms ± 30%

Output: 24 V DC solid-state source
short circuit proof
Maximum resistive load: 500 mA
For more details see,
l Open loop detection for de-energized Universal I/O linemonitored digital output channels
l General information about output modules
Maximum tungsten-lamp load: 125mA (3 W)
Minimum load: 1 mA
Maximum field capacitance: 1 µF
For details, see Open loop detection for de-energized Universal
I/O line-monitored digital output channels
Maximum inductive load 10 H
Voltage drop: < 1.5 V (at 500 mA)
Off current: < 0.1 mA
Two pins fork: Weidmuller, LPA QB 2
Four pins fork: Weidmuller, LPA QB 4
Open voltage: 24 V DC -20% ... +30%
Output current: 0 - 23 mA
Field (loop) resistance: max. 500 Ohm
Maximum field capacitance: 100 nF
D-A conversion: 12 bit
Inaccuracy: < 0.5% of full scale
Safety-related inaccuracy < 1% of full scale