

## RUSIO / RUSLS connections

The IOTA-R24 assembly supports all IO types that can be configured in the RUSIO-3224 or RUSLS-3224 module.

The supported IO types are:

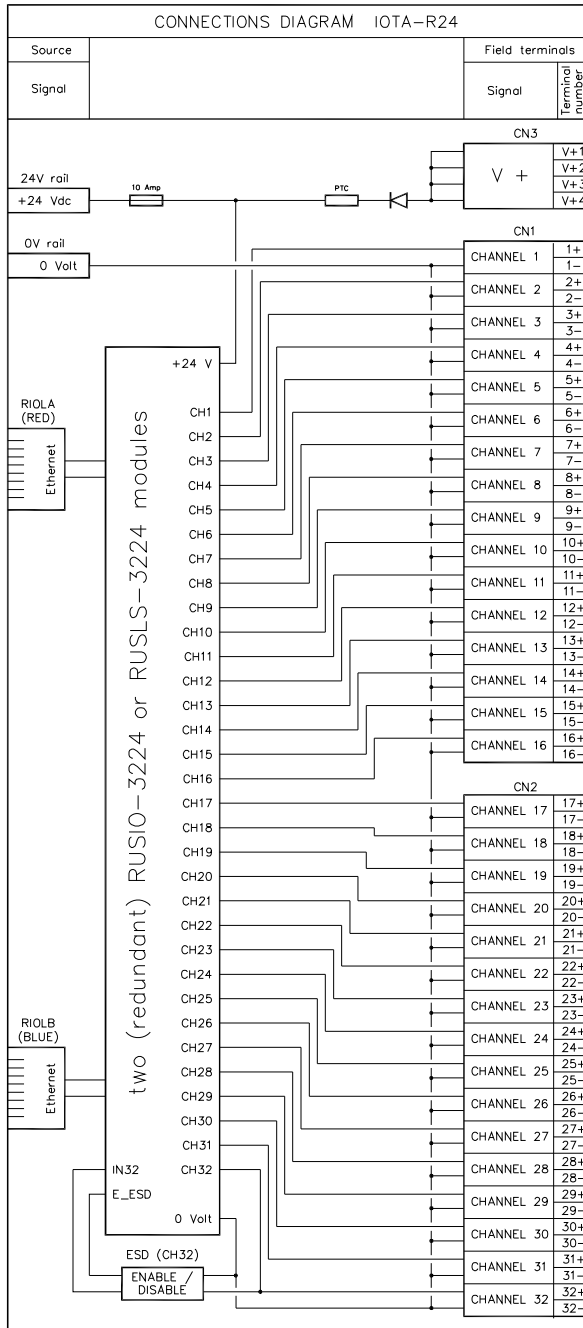
- Line monitored digital input
- Non line monitored digital input
- Line monitored ESD input (on Channel 32)
- Analog input 0-20mA or 4-20mA
- Digital output (0.5 Amp), with or without configurable line monitoring
- Multiple digital output (1 Amp or 2 Amp), with or without line monitoring
- Analog output 0-20mA or 4-20mA

Further details on the connection and specifications of these IO types is described elsewhere. See “RUSIO-3224” on page 416 or “RUSLS-3224” on page 439.

Figure 438 on page 698 shows the IO connection diagram of the IOTA-R24 .

The two RUSIO-3224 or RUSLS-3224 modules are connected in parallel. Each one is capable of controlling the IO.

**Figure 438** Connection diagram



## Technical data

The IOTA-R24 assembly has the following specifications:

<b>General</b>	Type number:	FC-IOTA-R24
	Operating temperature:	-40 .. +70 degC (-40 .. +158 degF)
	Storage temperature:	-40 .. +85 degC (-40 .. +185 degF)
	Relative humidity:	10..95% (non condensing)
	Pollution:	Pollution degree 2 or better
	Approvals:	CE; UL, TUV pending
<b>Power</b>	Supply voltage:	24 Vdc -15%..+30%
	Supply load:	max. 10 A
	Reverse polarity protection:	parallel diode (blows the fuse)
	Fuse:	
	• rating:	10 Amp, 58V
	• type:	TAC ATO Style Blade Fuse
	• manufacturer:	Littelfuse
	• ordernumber:	142.6185.510_
	V+ pins:	
	• max. current:	1 Amp (total of four CN3 pins)
	• max. voltage drop:	<1.5V (at 0.7A)
	• max. reverse voltage:	36V
<b>Connections</b>	24V supply:	2 x M4 (to power rail of the carrier)
	Ground:	10 x M3.5 (to metal of the carrier)
	Ethernet:	RJ-45
	IO (CN1 and CN2):	Weidmuller: BLZ 5.08/16/90F SN SW
	V+ (CN3):	Weidmuller: BLZ 5.08/4/90F SN SW
	Screw terminals (CN1,CN2,CN3):	
	• max. wire diameter:	0.50 .. 2.50 mm2
	• strip length:	7 mm
<b>Physical Data</b>	Dimensions (H x W x D):	64 x 120.7 x 443.2 mm 2.52 x 4.75 x 17.45 in
	Weight:	0.57 kg 1.26 lbs