

BALOGH



# ERC-71/QC Transceiver

## RFID Transceiver

### Industrial RFID Transceiver



#### Compatible Tags

<b>OMX</b>	High Speed Industrial Read-Write Tag Series

#### Description

The ERC-71/QC Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Balogh OMX Series Electronic TAGS.

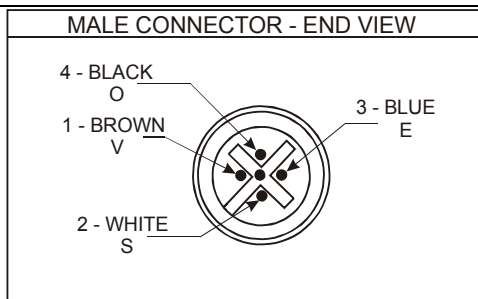
The ERC-71/QC is built with a Quick Connector (M12) to help simplify installation.

It can be ordered without the QC as Part Number: ERC-71

#### Characteristics

- Power Supply (<10% Ripple) 24 V DC
- Voltage Tolerance -10% +10%
- Max Current Consumption 150 mA
- Min Ambient Temperature -25 °C
- Max Ambient Temperature +70 °C
- Min Distance Between Transceivers: 250 mm
- Min Distance Between Tags: 100 mm
- IP 65 Rated
- Weight: 200 g
- Rislun® Casing
- Polyurethane Potting
- Protected Against Polarity Reversal
- Protected Against Load Short-Circuit

#### QC Connector Pin-Out



#### QC Connection to Main Board

Terminals	Connections
1	+V DC
2	Output
3	Input
4	0V DC

## Tag Compatibility Information Chart

Tag Type		OMX-931				
Maximum Range		25 mm				
Static Transmission Zone	Typical Height at Sr	10 mm				
	Typical Length at Sr	65 mm				
	Typical Width at Sr	24 mm				
Dynamic Transmission Zone	Min Length of Zone @ Sr	30 mm				
	Max Lateral Offset	12 mm				
	Max Angular Offset	20 Degrees				

## Dimensional Drawing

