

BALOGH



## ERC-80/QC Transceiver RFID Transceiver

**Industrial RFID Transceiver**

**Orange Product Range**



### Compatible Tags

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

### Description

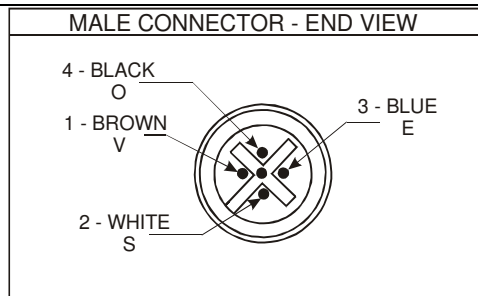
The ERC-80/QC Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS, or for Dialog Communications with other BALOGH Transceivers.

The ERC-80 has an available Quick Connector (QC) to help simplify installation.

### 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
- Distance Between Transceivers 1450mm
- IP 65 Rated
- Weight: 587 g
- Rilsan 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	OMX-851				
Maximum Range		70 mm	100 mm				
Static Transmission Zone	Typical Height at Sr	28 mm	40 mm				
	Typical Length at Sr	160 mm	220 mm				
	Typical Width at Sr	45 mm	120 mm				
Dynamic Transmission Zone	Minimum Length at Sr	110 mm	140 mm				
	Max Lateral Offset	20 mm	25 mm				
	Max Angular Offset	20 mm	20 mm				

# Dimensional Drawing

