

BALOGH



TCF-100 Transceiver

RFID Transceiver



Compatible Tags

TAF	Light Industrial Read/Write Tags
TAI	I-Code Read/Write Tags

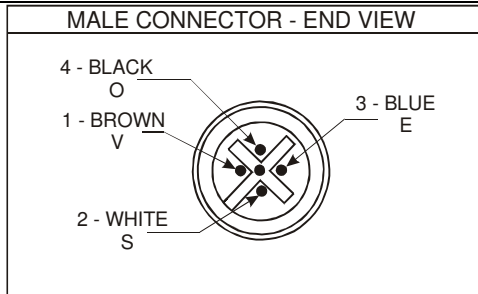
Description

The TCF-100 Transmitter/Receiver used with a BALOGH Control Board allows Reading and/or Writing of Electronic TAGS

Characteristics

- Power Supply (<10% Ripple) 24 V DC
- Voltage Tolerance -20% +15%
- Max Current Consumption 150 mA
- Min Ambient Temperature -25 °C
- Max Ambient Temperature +70 °C
- Distance Between Transceivers 1200 mm
- IP 65 Rated
- Weight: 550 g
- 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 TAF

Tag Type		TAF-50	TAF-932
Maximum Range		100 mm*	140 mm*
Static Transmission Zone	Typical Height at Sr	50 mm	70 mm
	Typical Length at Sr	100 mm	140 mm
	Typical Width at Sr	73 mm	73 mm
Dynamic Transmission Zone	Minimum Length at Sr	100 mm	100 mm
	Max Lateral Offset	--	--
	Max Angular Offset	--	--

* 25 mm Minimum Distance from Transceiver

Transceiver Transmission Zone TAI

			TAI-12	TAI-16/HT	TAI-20 TAI-20/Label	TAI-30/HT	TAI-30	TAI-30/Label	TAI-50/HT	TAI-50	TAI-50/Label
Maximum Range	H	mm	40	70	110	75	125	125	95	205	205
Typical Height	Sr	mm	16	28	44	30	50	50	38	82	82
TAG Tilt	<°	Degree	< 20								
Distance Between Transceivers (D)			1200mm								

Note: *Ranges may vary based upon application environment. Above Ranges are Open Air without metal

Dimensional Drawing

