BA648CF-F

FOUNDATION™ fieldbus Fieldbus Indicator 8 variables

General purpose

WI 3 Platform A
626.48
Litres

Fieldbus

Terminator

Field Device

Field Device

Terminator

Power Supply & Segment Coupler

Host

◆ **Large 5 digit display with bargraph.**

◆ **FOUNDATION™ fieldbus protocol.**

◆ **Displays up to 8 fieldbus variables.**

◆ **Selectable Node or Listener modes**

◆ **144 x 72mm DIN enclosure.**

◆ **IP66 front**

◆ **3 year guarantee**
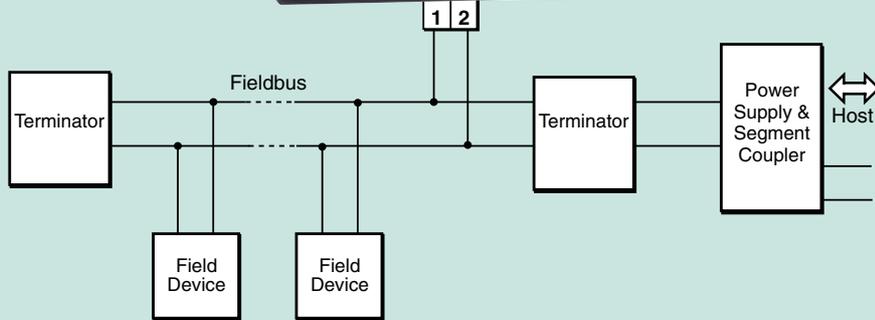
The BA648CF-F Fieldbus Indicator is a general purpose instrument that can display up to eight fieldbus process variables. A numeric annunciator on the left hand side of the screen shows which variable is being displayed. This version of the instrument supports FOUNDATION™ fieldbus protocol; for PROFIBUS PA systems an alternative version is available – please see the BA648CF-P PROFIBUS datasheet.

Configuration as a fieldbus Node or Listener allows the indicator to be tailored to suit local requirements. As a FOUNDATION™ fieldbus Node the indicator is configured by the fieldbus host and the displayed variable is selected from the eight pre-configured fieldbus variables using the indicator's push buttons.
When configured as a Listener, the indicator is not visible to the fieldbus host; may not be subject to a Node Licence Fee and is configured and controlled by the indicator's pushbuttons.

The liquid crystal display has large 20mm high digits providing maximum contrast and a wide viewing angle, allowing the BA648CF-F indicator to be read easily in most lighting conditions. The five digits, with four decimal points and a negative sign, may be configured to display any variable between –99999 and 99999. The 31 segment bargraph, which provides

a bold analogue indication of the fieldbus variable, may be conditioned to any starting or finishing values within the fieldbus variable's range.

The instrument front panel provides IP66 protection and a neoprene gasket seals the joint between the fieldbus indicator and the panel, making it suitable for use in areas that will be cleaned with a hose. To simplify installation and maintenance, the indicator has a removable terminal block that allows panel wiring to be completed before the BA648CF-F indicator is installed.

Units of measurement can be marked onto the display escutcheon prior to despatch and the tag number or application thermally printed onto the rear panel adjacent to the terminals.

For field mounting applications see the BA644DF-F FOUNDATION™ fieldbus datasheet. This instrument has a similar electrical specification but is housed in an IP66 field mounting enclosure.

For use in hazardous areas the intrinsically safe BA448CF-F FOUNDATION™ fieldbus indicator is available. This is similar to the BA648CF-F FOUNDATION™ fieldbus indicator but has international certifications allowing installation in most gas and dust hazardous areas.

BEKA associates

Display

Type	Liquid crystal
	5 digit 20mm high
	(-99999 to 99999)
	31 segment bargraph
Variables	8

Fieldbus communication

Voltage	9 to 32V
Current	13mA.
Compliant with	IEC61158
Protocol	FOUNDATION™ fieldbus
Function blocks	2 x IS (input selector)
	6 x DI (digital input)
Function	Fieldbus Node or Listener selected by front panel push buttons.

Environmental

Operating temp	-20 to +70˚C
Storage temp	-40 to +85˚C
Humidity	To 95% @ 40˚C
Enclosure	Front IP66, rear IP20
EMC	In accordance with EU Directive 2004/108/EC

Mechanical

Terminals	Removable with screw clamp for 0.5 to 1.5mm^2 cable.
Weight	0.7kg

Accessories

|	
Scale legend	Units of measurement marked onto display escutcheon.
Tag legend	Tag number or application marked onto display escutcheon.
Tag strip	Tag number or application thermally printed onto rear of the instrument.
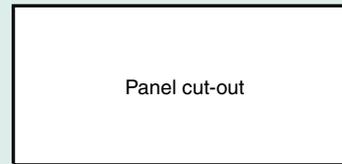
Panel cut-out

Recommended panel cut-out

DIN 43 700
138.0 +1.0/ -0.0 x 68.0 +0.7/ -0.0

To achieve an IP66 seal between the instrument and the panel
136.0 +0.5/-0.0 x 66.2 +0.5/-0.0
Four panel mounting clips must be used

84
11
144
72

BEKA associates   BA648CF
TAG
SCALE

Case

1	2

Fieldbus

Non polarised
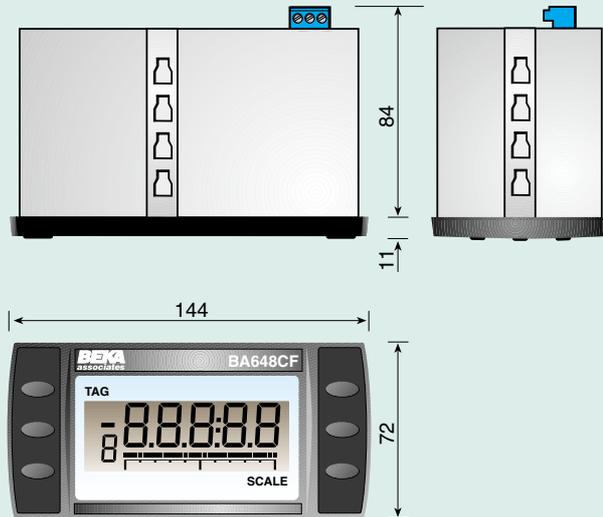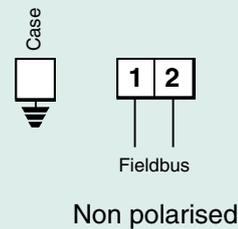
Please specify

Model number	BA648CF-F FOUNDATION™ fieldbus

Accessories   **Please specify if required**

Escutcheon markings
Scale	Legend
Tag	Legend
Tag strip	Legend