



FC8 series

Ultrasonic fork sensors for
label detection



Ultrasonic
fork sensors

features

- Ultrasonic fork sensor for transparent labels, any opaque material with connector M8 4-pole
- Teach-in models with dynamic and remote teach
- Ultrasonic technology
- Small size easy to locate; aluminum case
- NPN and PNP, Lo/Do total configurable
- Width slit detection 3 mm; depth slit detection 69 mm
- Maximum switching frequency 1.500 Hz



web contents



- Application notes
- Photos
- Catalogue / Manuals



code description

	FC8	U	/	0	P	-	M3	07	-	1	F
series	FC8	Ultrasonic fork for labels									
technology	U	Ultrasonic									
output	0	Lo/Do output selectable, remote teach									
PNP / NPN output	P	PNP digital output									
	N	NPN digital output									
width	M3	Width slit detection 3 mm									
depth	07	Depth slit detection 69 mm									
housing	1	Metal housing - aluminium									
plug	F	M8 plug 4 pin									

available models

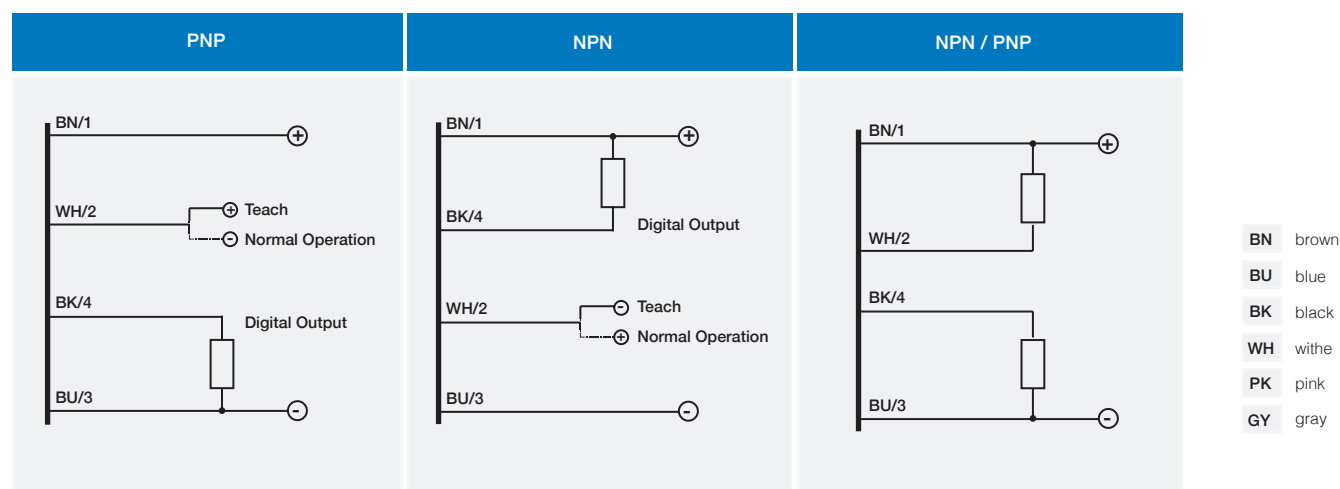
supply	installation	PNP	NPN	NPN / PNP
12...24 Vdc	M8 4 pins	FC8U/0P-M307-1F	FC8U/0N-M307-1F	FC8U/0B-M307-1F



technical specification

	FC8U/0*-M307-1F
	
nominal sensing distance	3 mm
minimum length of label	2 mm
minimum sensing distance between 2 labels	2 mm
slot depth detection	69 mm
slot length detection	-
emission	ultrasonic
maximum flow rate	180 m/min
detection accuracy	+/- 0,20 µm at 120 m/min
rated operational voltage	12 ... 24 Vdc (with protection against reverse polarity)
max ripple content	10%
no-load supply current	45 mA
load current	100 mA
output voltage drop	≤ 2 V @ IL = 100 mA
switching frequency	1.500 kHz
power on delay	300 µs
power supply protections	short-circuit output protected interference suppression
operation temperature range	+ 5 ... +55 °C
storage temperature	- 20 ... +70 °C
protection degree	IP65, IEC (EN60529)
housing material	painted aluminium
connection	M8 4 pins
weight approx.	160 g

electrical diagrams of the connections





FC8U/0P-**-** FC8U/0N-**-**	FC8U/0B-**-**

dimensions (mm)

