

F77 Series

Thru-Beam Sensor and Diffuse Mode Sensor



Standard Technical Data

Design	Cuboid shape
Voltage type	DC
Operating voltage (max)	30 V
Housing length L	23 mm
Housing height H	31 mm
UL	■

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Version	Detection range [mm]	Dead band	Output type	Switching function	UB (min)	Connection type	Width W
UB100-F77-E0-V31	Frontlooker	100	10	NPN	Normally-open (NO)	20	M8 connector plug	12
UB100-F77-E1-V31	Frontlooker	100	10	NPN	Normally-closed (NC)	20	M8 connector plug	12
UB100-F77-E2-V31	Frontlooker	100	10	PNP	Normally-open (NO)	20	M8 connector plug	12
UB100-F77-E3-V31	Frontlooker	100	10	PNP	Normally-closed (NC)	20	M8 connector plug	12
UB250-F77-E0-V31	Frontlooker	250	20	NPN	Normally-open (NO)	20	M8 connector plug	12
UB250-F77-E1-V31	Frontlooker	250	20	NPN	Normally-closed (NC)	20	M8 connector plug	12
UB250-F77-E2-V31	Frontlooker	250	20	PNP	Normally-open (NO)	20	M8 connector plug	12
UB250-F77-E3-V31	Frontlooker	250	20	PNP	Normally-closed (NC)	20	M8 connector plug	12
UB250-F77-F-V31	Frontlooker	250	35	Frequency output, PNP		20	M8 connector plug	12
UBR250-F77-E0-V31	Frontlooker	250		NPN	Normally-open (NO)	20	M8 connector plug	12
UBR250-F77-E2-V31	Frontlooker	250		PNP	Normally-open (NO)	20	M8 connector plug	12
UBR250-F77-E3-V31	Frontlooker	250		PNP	Normally-closed (NC)	20	M8 connector plug	12
UC250-F77-EP-IO-V31	Frontlooker	250	20	IO-Link, PNP/NPN	Push-pull output	10	M8 connector plug	12
UC250-F77-IU-IO-2M	Frontlooker	250	20	Analog voltage output, analog current output, IO-Link	Analog	18	Fixed cable	12
UC250-F77-IU-IO-5M	Frontlooker	250	20	Analog voltage output, analog current output, IO-Link	Analog	18	Fixed cable	12
UC250-F77-IU-IO-V31	Frontlooker	250	20	Analog voltage output, analog current output, IO-Link	Analog	18	M8 connector plug	12
UB400-F77-E0-V31	Frontlooker	400	25	NPN	Normally-open (NO)	20	M8 connector plug	12
UB400-F77-E1-V31	Frontlooker	400	25	NPN	Normally-closed (NC)	20	M8 connector plug	12
UB400-F77-E2-V31	Frontlooker	400	25	PNP	Normally-open (NO)	20	M8 connector plug	12
UB400-F77-E3-V31	Frontlooker	400	25	PNP	Normally-closed (NC)	20	M8 connector plug	12
UB400-F77-F-V31	Frontlooker	400	40	Frequency output, PNP		20	M8 connector plug	12
UBR400-F77-E0-V31	Frontlooker	400		NPN	Normally-open (NO)	20	M8 connector plug	12
UBR400-F77-E2-V31	Frontlooker	400		PNP	Normally-open (NO)	20	M8 connector plug	12
UBR400-F77-E3-V31	Frontlooker	400		PNP	Normally-closed (NC)	20	M8 connector plug	12
UC400-F77-EP-IO-V31	Frontlooker	400	30	IO-Link, PNP/NPN	Push-pull output	10	M8 connector plug	12
UC400-F77-IU-IO-0,2M-V1	Frontlooker	400	30	Analog voltage output, analog current output, IO-Link	Analog	18	Fixed cable with M12 plug	12
UC400-F77-IU-IO-V31	Frontlooker	400	30	Analog voltage output, analog current output, IO-Link	Analog	18	M8 connector plug	12
UBE800-F77-SE2-V31	Frontlooker	800		PNP	Normally-open (NO)	20	M8 connector plug	12
UBE800-F77-SE3-V31	Frontlooker	800		PNP	Normally-closed (NC)	20	M8 connector plug	12
UC800-F77S-EP-IO-V31	Sidelooker	800	60	IO-Link, PNP/NPN	Push-pull output	10	M8 connector plug	21
UC800-F77S-IU-IO-V31	Sidelooker	800	60	Analog voltage output, analog current output, IO-Link	Analog	18	M8 connector plug	21

Highlights

- An optimal application solution using a single sensor due to a wide range of customization options
- Sensor-based synchronization and interference suppression for excellent detection reliability
- Compact, space-saving housing design in standard and sidelooker versions
- Communication down to sensor level with IO-Link

Accessories

IO-Link-Master02-USB	IO-Link master, power supply via USB port
UB-PROG4-V31	Programming unit for ultrasonic sensors
V1-G-1M-PVC-V1-G	Cordset, M12 to M12, PVC cable, 4-pin
V15-G-2M-PVC	Single-ended female cordset, M12, 5-pin, PVC cable
V15-G-PG9	Single-ended female cordset, M12, 5-pin, field-attachable
V31-GM-1M-PVC-V1-G	Cordset, M8 to M12
V31-GM-2M-PVC	Single-ended female cordset, M8, 4-pin, PVC cable
V31-WM-2M-PVC	Single-ended female cordset, M8, 4-pin, PVC cable