

Cylindrical Ultrasonic Sensors

30GM70 Series

Diffuse Mode Sensors



Common Technical Data

Housing design	cylindrical
Switching element function	Normally-open/normally-closed (selectable)
Type of voltage	DC
Operating voltage (max)	30 V
Connection type	M12 connector plug
Housing diameter D	30 mm
EAC	■
UL	■
UKCA	■

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

Model Number	Design	Detection Range	Dead Band	Type of Output	Response Time [ms]	Switching Frequency	UB (min)	Length L
UC500-30GM70-2E2R2-K-V15	Straight head	500 mm	45 mm	2 * PNP	60 ms	5 Hz	12 V	111.3 mm
UC500-30GM70-2E2R2-V15	Straight head	500 mm	45 mm	2 * PNP	60 ms	5 Hz	12 V	99.3 mm
UC500-30GM70-IE2R2-K-V15	Straight head	500 mm	45 mm	PNP, analog current output	60 ms	5 Hz	20 V	111.3 mm
UC500-30GM70-IE2R2-V15	Straight head	500 mm	45 mm	PNP, analog current output	60 ms	5 Hz	20 V	99.3 mm
UC500-30GM70-UE2R2-K-V15	Straight head	500 mm	45 mm	PNP, analog voltage output	60 ms	5 Hz	20 V	111.3 mm
UC500-30GM70-UE2R2-V15	Straight head	500 mm	45 mm	PNP, analog voltage output	60 ms	5 Hz	20 V	99.3 mm
UC500-30GM70S-2E2R2-V15	Swivel head	500 mm	45 mm	2 * PNP	60 ms	5 Hz	12 V	126 mm
UC500-30GM70S-IE2R2-V15	Swivel head	500 mm	45 mm	PNP, analog current output	60 ms	5 Hz	20 V	126 mm
UC500-30GM70S-UE2R2-V15	Swivel head	500 mm	45 mm	PNP, analog voltage output	60 ms	5 Hz	20 V	126 mm
UC2000-30GM70-2E2R2-K-V15	Straight head	2000 mm	100 mm	2 * PNP	100 ms	4 Hz	12 V	111.3 mm
UC2000-30GM70-2E2R2-V15	Straight head	2000 mm	100 mm	2 * PNP	100 ms	4 Hz	12 V	99.3 mm
UC2000-30GM70-IE2R2-K-V15	Straight head	2000 mm	100 mm	PNP, analog current output	100 ms	4 Hz	20 V	111.3 mm
UC2000-30GM70-IE2R2-V15	Straight head	2000 mm	100 mm	PNP, analog current output	100 ms	4 Hz	20 V	99.3 mm
UC2000-30GM70-UE2R2-K-V15	Straight head	2000 mm	100 mm	PNP, analog voltage output	100 ms	4 Hz	20 V	111.3 mm
UC2000-30GM70-UE2R2-V15	Straight head	2000 mm	100 mm	PNP, analog voltage output	100 ms	4 Hz	20 V	99.3 mm
UC2000-30GM70S-2E2R2-V15	Swivel head	2000 mm	100 mm	2 * PNP	100 ms	4 Hz	12 V	126 mm
UC2000-30GM70S-IE2R2-V15	Swivel head	2000 mm	100 mm	PNP, analog current output	100 ms	4 Hz	20 V	126 mm
UC2000-30GM70S-UE2R2-V15	Swivel head	2000 mm	100 mm	PNP, analog voltage output	100 ms	4 Hz	20 V	126 mm
UC3500-30GM70-2E2R2-V15	Straight head	3500 mm	200 mm	2 * PNP	150 ms	2 Hz	12 V	99.3 mm
UC3500-30GM70-IE2R2-V15	Straight head	3500 mm	200 mm	PNP, analog current output	150 ms	2 Hz	20 V	99.3 mm
UC3500-30GM70-UE2R2-V15	Straight head	3500 mm	200 mm	PNP, analog voltage output	150 ms	2 Hz	20 V	99.3 mm
UC3500-30GM70S-2E2R2-V15	Swivel head	3500 mm	200 mm	2 * PNP	150 ms	2 Hz	12 V	126 mm
UC3500-30GM70S-IE2R2-V15	Swivel head	3500 mm	200 mm	PNP, analog current output	150 ms	2 Hz	20 V	126 mm
UC3500-30GM70S-UE2R2-V15	Swivel head	3500 mm	200 mm	PNP, analog voltage output	150 ms	2 Hz	20 V	126 mm
UC6000-30GM70-2E2R2-V15	Straight head	6000 mm	350 mm	2 * PNP	275 ms	1 Hz	12 V	121.2 mm
UC6000-30GM70-IE2R2-V15	Straight head	6000 mm	350 mm	PNP, analog current output	275 ms	1 Hz	20 V	121.2 mm
UC6000-30GM70-UE2R2-V15	Straight head	6000 mm	350 mm	PNP, analog voltage output	275 ms	1 Hz	20 V	121.2 mm
UC6000-30GM70S-2E2R2-V15	Swivel head	6000 mm	350 mm	2 * PNP	275 ms	1 Hz	12 V	143.5 mm
UC6000-30GM70S-IE2R2-V15	Swivel head	6000 mm	350 mm	PNP, analog current output	275 ms	1 Hz	20 V	143.5 mm
UC6000-30GM70S-UE2R2-V15	Swivel head	6000 mm	350 mm	PNP, analog voltage output	275 ms	1 Hz	20 V	143.5 mm

Highlights

- Graduated detection ranges for different object distances
- Infrared interface allows direct sensor access for parameterization or diagnosis
- Reaction-free parameterization during operation avoids process interruptions
- Various transducer versions to handle any installation situation

Accessories

BF 18	Mounting adapter, 18 mm
BF 30	Mounting adapter, 30 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 mm ... 30 mm
UC-PROG-IR-USB	Interface cable to parameterize sensors with IrDA interface
V15-G-2M-PUR	Single-ended female cordset, M12, straight, A-coded, 5-pin, PUR cable, gray