

Photoelectric Sensors

Color Index Sensors-CW/CM



Descriptions:

Color index detection, key-press lock function, 1 teach button.

Features:

- Various teach function could optimize manufacture process
- White and three-color sensing beam
- IO-link communication

Type

Type	Distance	Frequency	Beam	Output	Repeatability	Direction of light spot	Connection	Wiring
CW3E-F15CP6Q8	14.5mm	6kHz/83μs	White	PNP	0.02mm	vertical	M8 connector	1
CW3-F15CP6Q8	14.5mm	10kHz/50μs	White	PNP	0.02mm	vertical	M8 connector	2
CW3-F15CB6Q8	14.5mm	10kHz/50μs	White	Push-Pull	0.02mm	vertical	M8 connector	2
CM3-F15CB6Q8	14.5mm	10kHz/50μs	Red, Rreen ,Blue	Push-Pull	0.02mm	vertical	M8 connector	2
CM3-F15CP6Q8	14.5mm	10kHz/50μs	Red, Rreen ,Blue	PNP	0.02mm	vertical	M8 connector	2
CM3D-F15CP6Q8	14.5mm	10kHz/50μs	Red, Rreen ,Blue	PNP	0.02mm	vertical	M8 connector	2

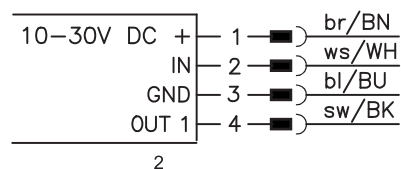
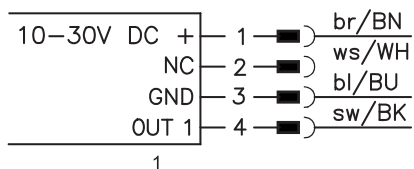
Technical data

Operating voltage	10...30VDC
Ripple voltage	≤15% UB
No-load current	≤20mA
High/low level signal	≥(UB-2V)/≤2V
Yellow LED	Detecting object/teach
Housing	Plastic/metal
Optical face	PMMA
Weight (plastic connector/ metal connector)	8g/10g
Ambient temperature	-30℃... +55℃
VDE safe degree	III
Protection degree	IP 67
Standard applied	IEC 60947-5-2

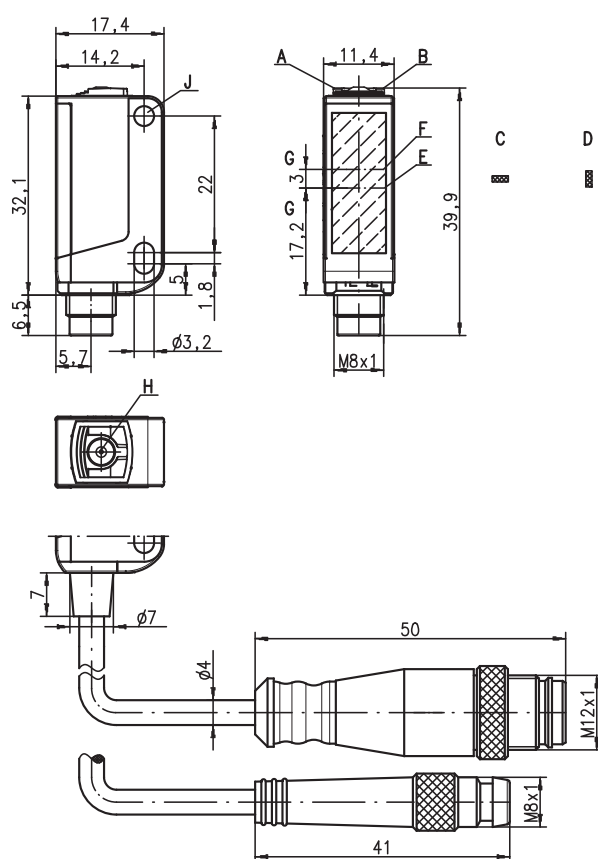
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Electrical connection



Dimensions



- A green LED
- B yellow LED
- C horizontal light spot
- D vertical light spot
- E emitting
- F receiving
- G optical axis
- H teach button
- J mounting hole