

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, Green, Blue | Push-Pull | 0.02mm | vertical | M8 connector | 2 |
| CM3-F15CP6Q8 | 14.5mm | 10kHz/50µs | Red, Green, Blue | PNP | 0.02mm | vertical | M8 connector | 2 |
| CM3D-F15CP6Q8 | 14.5mm | 10kHz/50µs | Red, Green, Blue | PNP | 0.02mm | vertical | M8 connector | 2 |

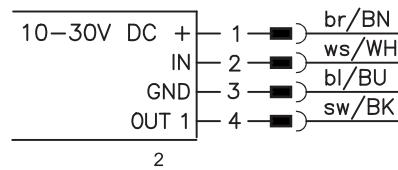
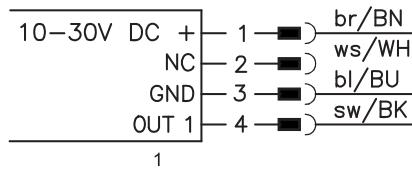
Technical data

| | |
|---|------------------------|
| 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°C ... +55 °C |
| VDE safe degree | III |
| Protection degree | IP 67 |
| Standard applied | IEC 60947-5-2 |

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Electrical connection



Dimensions

