**Matrix 320 C-Mount with 36 LEDs illuminator**

Matrix 320 C-Mount can be assembled with and without illuminator.

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When connected to the ICR connection boxes, the electrical features for Output 1 and 2 become the following:

Opto-coupled, V_{in} = 30 mA; max. I_{out} = 50 mA; continuous max. 130 mA pulsed max.; V_{on}=18 V; I_{on}=7 mA; 0.0125 mm/min at 50 °C ambient temperature.

When correctly connected to PFI cables with seals and the Lens Cover is correctly mounted.

When connected to the CBX connection boxes, the electrical features for Output 1 are illustrated in the following table:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILOAD max.</td>
<td>100 mA</td>
</tr>
<tr>
<td>VOUT (ILOAD = 0 mA) max.</td>
<td>24 Vdc</td>
</tr>
</tbody>
</table>

Material: Aluminum

Optical Features

- **Image Sensor**: CMOS
- **Image Format**: 2.0/3.0 (horizontal x 1000)
- **Frame Rate**: 6 fps/s
- **Pitch**: ± 35°
- **Tilt**: 0° - 25°
- **LED Safety**: according to EN 62471
- **Lenses**: C-Mount, 6mm, 8mm, 12mm, 16mm, 20mm, 25mm
- **Aperture Angle**: 60°, 48°, 36°, 28°, 19°, 12°
- **Lighting System**: External or internal illuminator (36 LEDs)

User Interface

- **LED indicators**: Power, Ready, Good; Trigger; Com, Status, Ethernet (Network), Good Read (Green), Error (Red)
- **Keypad button**: Configurable via DL CODE

Warranty

Datalogic warrants that the Products will be free from defects in materials and workmanship under normal use and proper use during the Warranty Period. Products are sold in the basis of specifications applicable at the time of manufacture and Datalogic has no obligation to modify or update Products once sold. The Warranty Period shall be two years from the date of shipment by Datalogic, unless otherwise agreed in an applicable writing by Datalogic. Datalogic will not be liable under the warranty if the Product has been exposed to any (i) maintenance, repairs, installations, handling, packaging, transportation, storage, operation or use that is improper or not in compliance with Datalogic’s instruction; (ii) Product alteration, modification or repair by anyone other than Datalogic or those specifications authorized by Datalogic; (iii) incorrect, contaminated, foreign object damage, abuse, neglect or negligence after shipment to Buyer; (iv) damage caused by failure of a Datalogic-supplied product not under warranty or by any hardware or software not supplied by Datalogic; or (v) any other cause beyond Datalogic’s control. In order to meet the EMC requirements:

- **ATTENTION**: READ THIS INFORMATION BEFORE INSTALLING THE PRODUCT
- **WARNING**: USE IN A DOMESTIC ENVIROMENT

Laser Safety using a 34 LED illuminator

This product conforms to the applicable requirements of IEC 60825-1 and complies with 21 CFR 1040.10 except for deviations pursuant to Laser Notice No. 54, date May 8, 2019. This product is classified as a Class 2 laser product according to IEC 60825-1 requirements.

**CAUTION**: Class 2 laser products do not present any health risk if used as intended. Disconnect the power supply when opening the device during maintenance or installation to avoid exposure to hazardous laser light. The laser beam can be switched on or off through a software command.

The following warning label content is applied to the laser-equipped products indicated on the opposite page.