

BCL 3xxi – J-Optic

Stationary bar code reader



18-30
Volt DC



CE



Features

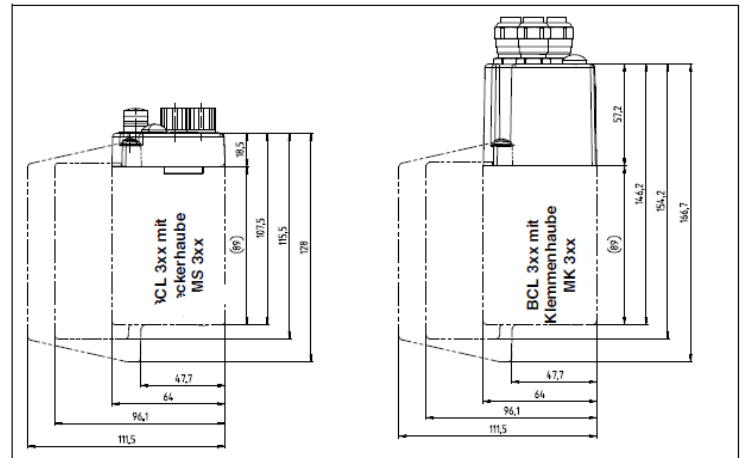
- Stationary Bar Code Reader for reading ink jet barcodes printed with low contrast
- Integrated Decoder
- Light beam exit – Lateral with deflection mirror - beam angle of 105°
- RS 232/422, RS 485, Profibus, Profinet, Ethernet TCP/IP and Ethernet IP
- Ambient temperature from 0 up to +40 °C
- Protection class IP 65 (with connection hood)

Änderungen vorbehalten

Accessories BCL 3xxi – J-Optic

The optional accessories, refer to the respective technical description of the BCL 3xxi. This is available separately.

Dimensioned drawing



Complete view BCL 3xxi with MS 3xx / MK 3xx

Electrical Connection

For the electrical connection, please refer to the respective Technical description of the BCL 3xxi.

Specifications

Electrical Data

Operating voltage 18 - 30 Volt DC (Class 2, protection class III)
Power consumption max. 3W

Interfaces

Protocol RS-232/422, RS 485, Profibus, Profinet, Ethernet TCP/IP and Ethernet IP

Service Interface

USB 2.0 Type Mini-B female connector

Code types

Barcodes 2/5 Interleaved, Code 39, Code 128, EAN 128, EAN / UPC, Code 93, Codabar, GS1 Databar, EAN Addendum

Optical Data

Light source Laser diode = 655 nm (redlight)
Beam exit Lateral with deflection mirror-beam angle of 105°
Scan rate 1000 Scans/s
Beam deflection via rotating polygon wheel
Reading distance see reading field curves

Mechanical Data

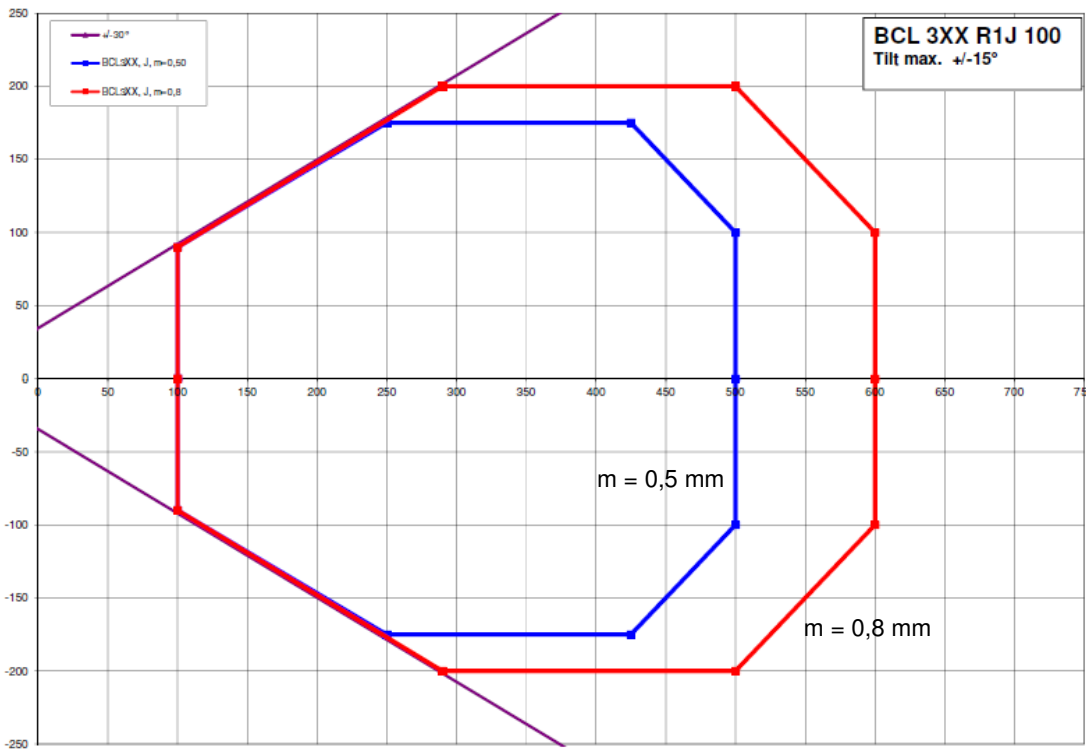
Weight 350 g (without connection hood)
Dimensions 44x103x96 mm (HxWxD without connection hood)

Environmental Data

Ambient temperature (operation) 0 up to +40 °C
Ambient temperature (storage) -20 up to +70 °C
Relative humidity max. 90% non - condensing
Protection class IP 65

For more information, see the Technical manual of the BCL 3xxi.

Reading Field Curves



Attention:

Note that the real reading distances are still influenced by factors such as label material, printing quality, scanning angle, printing contrast etc., and therefore may differ from the reading distances given here.

Due to the design of the optical laser spot, the CRT function have limitations (max. permissible tilt angle of + / - 15 °).

Low-contrast bar code samples with inkjet printing should always be sent for review to Leuze electronic.

Order guide

Type	Interface	Article number
BCL 300i R1 J 100	RS 232/422	50123508
BCL 301i R1 J 100	RS 485	50123507
BCL 304i R1 J 100	Profibus	50123506
BCL 308i R1 J 100	Ethernet TCP/IP	50123505
BCL 348i R1 J 100	Profinet	50123504
BCL 358i R1 J 100	Ethernet IP	50123503

Technical changes reserved