

## Technical data sheet Stationary 2D-code reader

Part no.: 50136773

DCR55M2/UB-1800-S6

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Figure can vary



## Technical data

### Basic data

Series	DCR 55
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### Functions

Software functions	Reading of 1D codes
	Reading of 2D codes

### Read data

Code types, readable	2/5 Hong Kong
	2/5 Interleaved
	2/5 NEC
	2/5 Straight
	Australian Post
	Aztec
	BC412
	Canada Post
	Codabar
	Codablock F
	Code 11
	Code 128
	Code 32
	Code 39
	Code 49
	Code 93
	Data Matrix Code
	EAN/UPC
	GS1 Databar
	HanXin
	Intelligent Mail
	Japan Post
	KIX Code
	Korea Post
	QR code

### Optical data

Reading distance	30 ... 425 mm
LED group	Exempt group (in acc. with EN 62471:2008)
Camera resolution, horizontal	1,280 px
Camera resolution, vertical	960 px
Modulus size	0.127 ... 0.528 mm

### Electrical data

#### Performance data

Supply voltage $U_B$	4.75 ... 5.25 V, DC
Current consumption, max.	425 mA

### Interface

Type	USB
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#### USB

Function	Process
Specification	USB 2.0
Operating mode	COM port emulation
	Keyboard emulation

### Connection

Number of connections	1 Piece(s)
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#### Connection 1

Function	Data interface
	Voltage supply
Type of connection	Cable with USB-connector
Cable length	1,800 mm
Sheathing material	PUR
Cable color	Black

### Mechanical data

Design	Cubic
Dimension (W x H x L)	31.5 mm x 20 mm x 40.3 mm
Housing material	Metal
Metal housing	Diecast aluminum
Lens cover material	Plastic
Net weight	89 g
Housing color	Red
	Silver
Type of fastening	Mounting thread

### Operation and display

Type of display	LED
Type of configuration	Software

### Environmental data

Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-20 ... 60 °C
Relative humidity (non-condensing)	10 ... 90 %

### Certifications

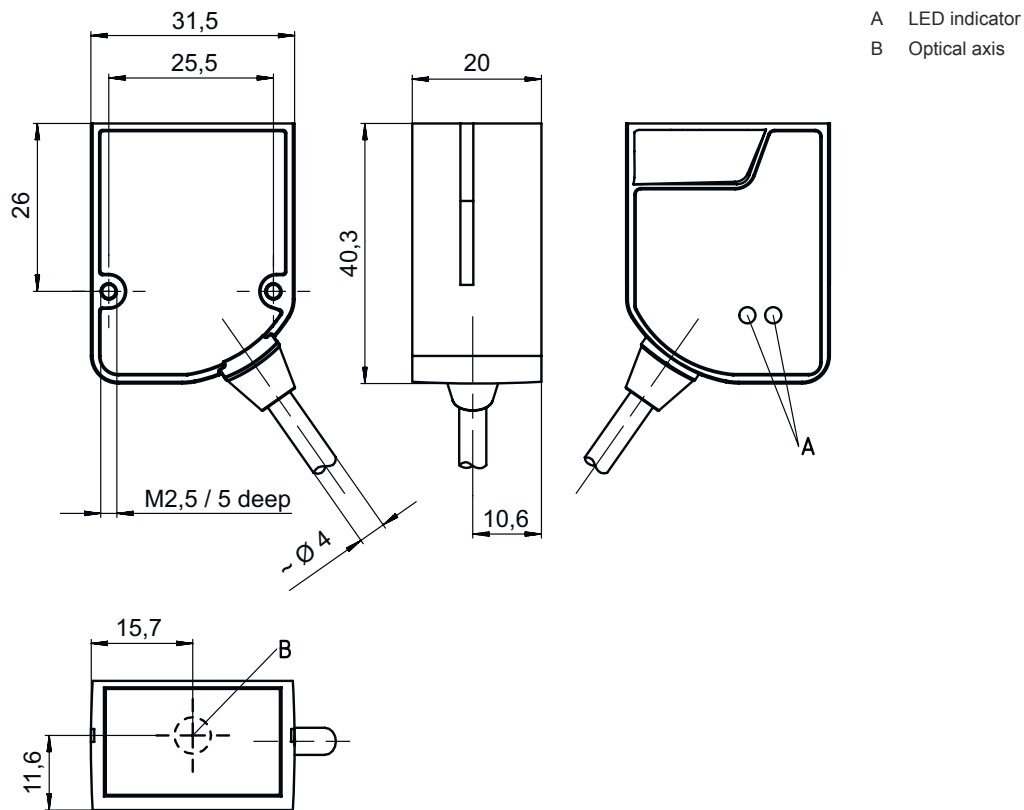
Degree of protection	IP 54
Certifications	c UL US
	FCC
	RoHS
Test procedure for EMC in accordance with standard	EN 61326-1

### Classification

Customs tariff number	84719000
eCl@ss 5.1.4	27280103
eCl@ss 8.0	27280103
eCl@ss 9.0	27280103
eCl@ss 10.0	27280103
eCl@ss 11.0	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002999
ETIM 7.0	EC002999

# Dimensioned drawings

All dimensions in millimeters

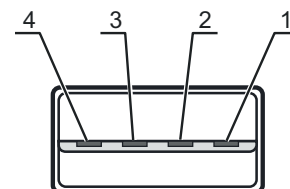


## Electrical connection

### Connection 1

Function	Data interface Voltage supply
Type of connection	Cable with USB-connector
Cable length	1,800 mm
Sheathing material	PUR
Cable color	Black
Connector type	USB 2.0 Standard-A

Pin	Pin assignment
1	V+
2	DATA-
3	DATA+
4	GND



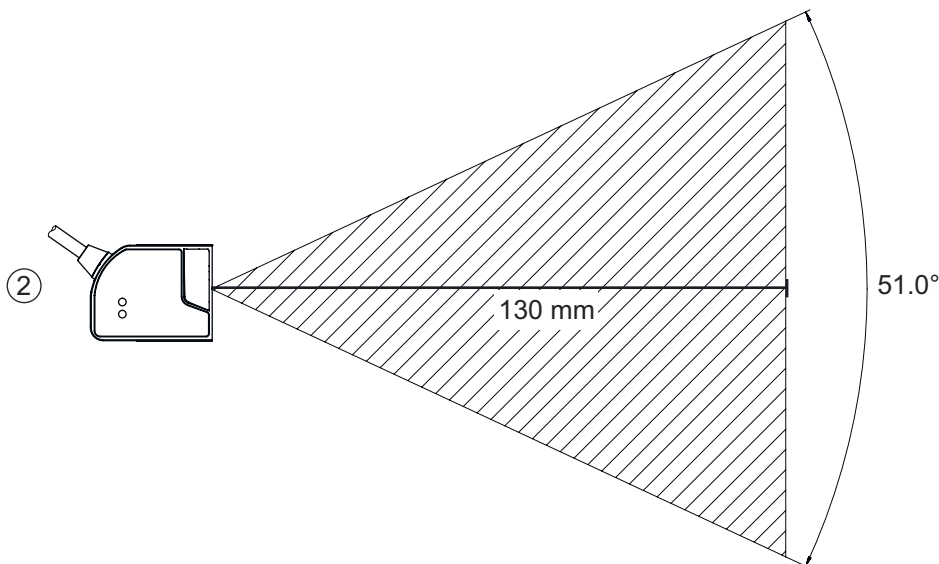
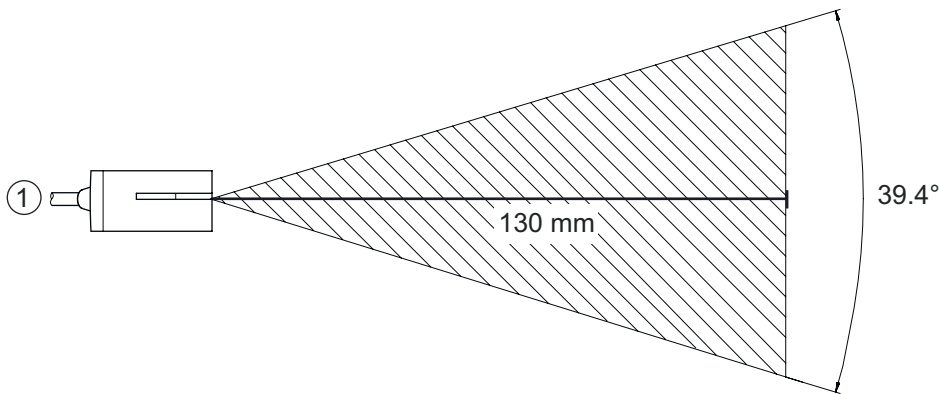
# Diagrams

## Reading distances

A	B	
Code 39 / 0,190mm (7,5mil)	50 (2,0)	245 (9,6)
GS1 Databar / 0,267mm (10,5mil)	35 (1,4)	225 (8,9)
UPC / 0,330mm (13mil)	40 (1,5)	370 (14,6)
PDF417 / 0,147mm (5,8mil)	85 (3,3)	155 (6,1)
PDF417 / 0,170mm (6,7mil)	65 (2,6)	175 (6,9)
Data Matrix / 0,127mm (5mil)	75 (3,0)	90 (3,5)
Data Matrix / 0,160mm (6,3mil)	70 (2,8)	135 (5,3)
Data Matrix / 0,254mm (10mil)	50 (2,0)	205 (8,1)
Data Matrix / 0,528mm (20,8mil)	30 (1,2)	425 (16,7)

- A Code type / resolution mm
- B Reading distance [mm] ([inch])

## Reading field



- 1 Reading field, lateral
- 2 Reading field, top view

## Notes



### Observe intended use!



- ⌘ This product is not a safety sensor and is not intended as personnel protection.
- ⌘ The product may only be put into operation by competent persons.
- ⌘ Only use the product in accordance with its intended use.