

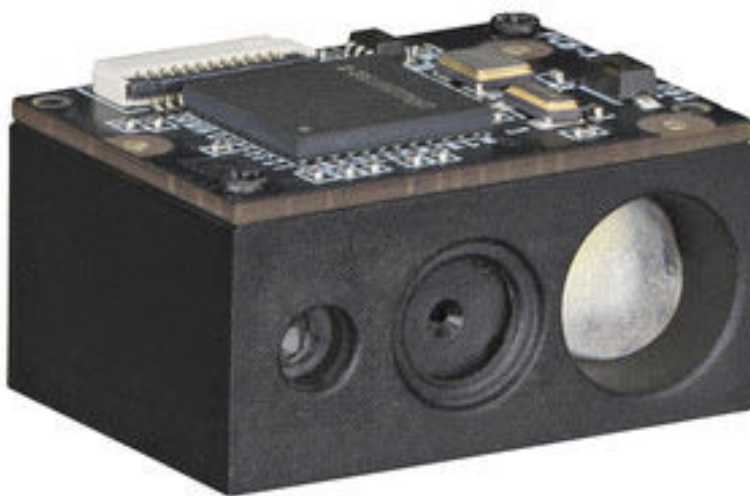
Technical data sheet

Stationary 2D-code reader

Part no.: 50151528
DCR50M2/R2-S7

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Diagrams
- Notes
- Accessories



For illustration purposes only



Technical data

Basic data

Series	DCR 50
Chip	CMOS (Global Shutter)

Special version

Special version	Scan Engine Module
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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 IATA
	2/5 Interleaved
	2/5 Straight
	Aztec
	Codabar
	Code 11
	Code 128
	Code 32
	Code 39
	Code 93
	Composite Codes
	Data Matrix Code
	DotCode
	EAN 8/13
	Grid Matrix
	GS1 Databar Expanded
	GS1 Databar RSS 14
	HanXin
	Maxicode
	Micro PDF
	Micro QR
	MSI Plessey
	PDF417
	Pharma Code
	QR code
	UPC-A
	UPC-E

Optical data

Reading distance	45 ... 400 mm
Camera resolution, horizontal	1,280 px
Camera resolution, vertical	800 px
Reading field opening angle, horizontal	46 °
Reading field opening angle, vertical	29 °
Modulus size	0.127 ... 0.528 mm

Electrical data

Performance data

Supply voltage U_B	3.3 V, DC, -5 ... 5 %
Current consumption, max.	230 mA

Inputs

Number of digital switching inputs	1 Piece(s)
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Outputs

Number of digital switching outputs	1 Piece(s)
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Switching outputs

Voltage type	DC
Switching current, max.	8 mA

Switching output 1

Switching element	Transistor, PNP / NPN switchable
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Interface

Type	USB (HID, CDC), TTL 232
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TTL 232

Data format	Adjustable
Function	Process
Transmission speed	9,600 ... 230,400 Bd

USB

Function	Process
Operating mode	COM port emulation
Specification	USB 2.0

Connection

Number of connections	1 Piece(s)
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Connection 1

Function	Configuration interface
	Data interface
	Signal IN
	Signal OUT
	Voltage supply
Type of connection	12-pin FFC, 0.5mm pitch, Maximum cable length of 100 mm
No. of pins	12 -pin

Mechanical data

Design	Cubic
Dimension (W x H x L)	21.6 mm x 11.8 mm x 15.8 mm
Housing material	Plastic
Net weight	5 g
Housing color	Black
Type of fastening	Fastening thread M1.6

Operation and display

Type of display	Buzzer
Type of configuration	Software

Environmental data

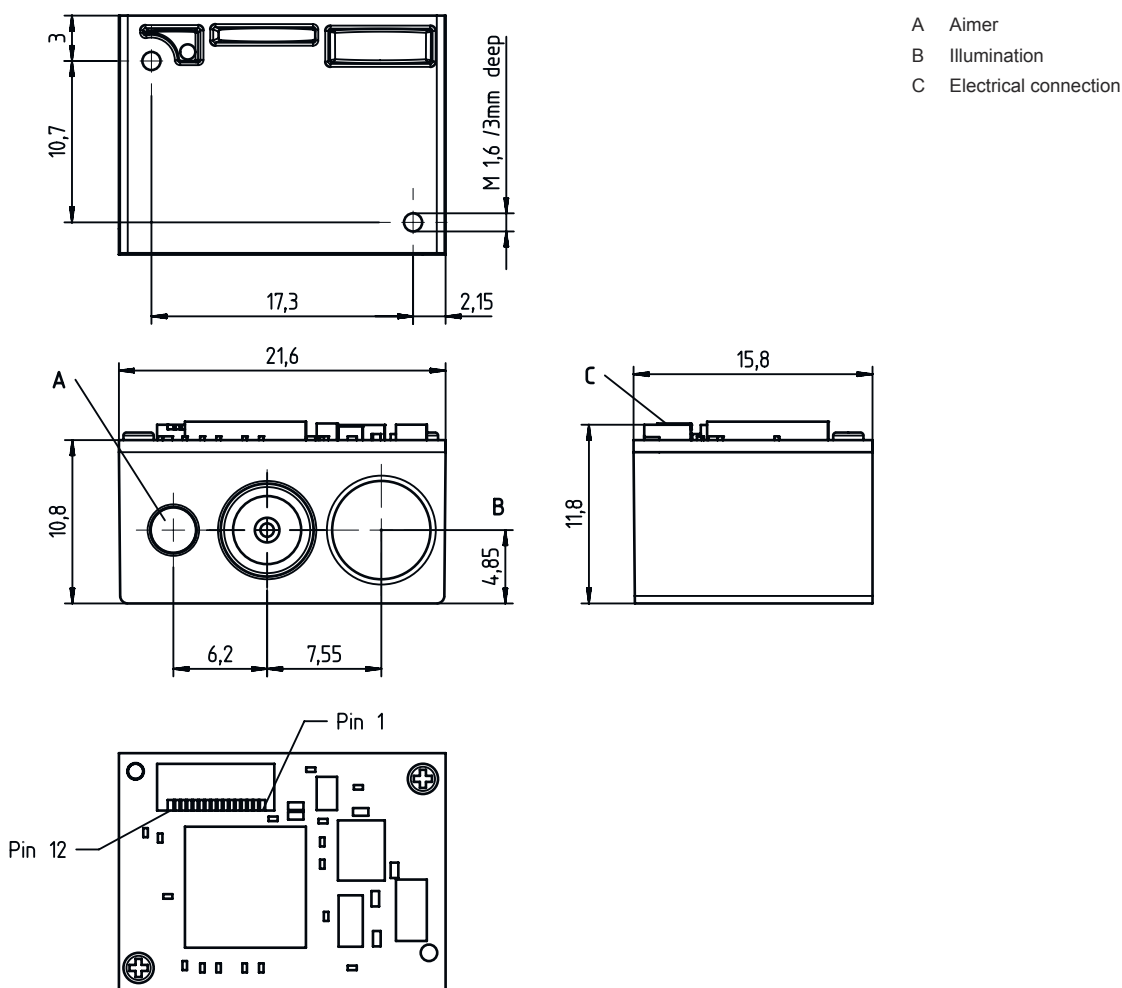
Ambient temperature, operation	-10 ... 50 °C
Ambient temperature, storage	-40 ... 70 °C
Relative humidity (non-condensing)	5 ... 95 %

Technical data

Customs tariff number	84719000
ECLASS 5.1.4	27280103
ECLASS 8.0	27280103
ECLASS 9.0	27280103
ECLASS 10.0	27280103
ECLASS 11.0	27280103
ECLASS 12.0	27280103
ECLASS 13.0	27280103
ECLASS 14.0	27280103
ECLASS 15.0	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002999
ETIM 7.0	EC002999
ETIM 8.0	EC002999
ETIM 9.0	EC002999
ETIM 10.0	EC002999

Dimensioned drawings

All dimensions in millimeters



Electrical connection

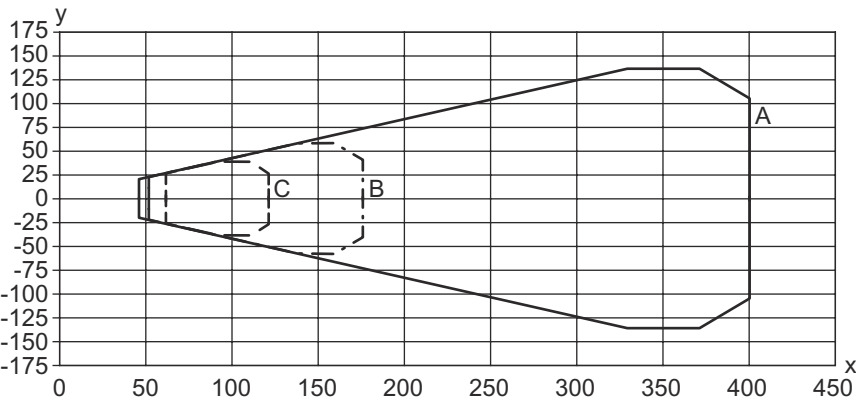
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Pin	Pin assignment
1	n.c.
2	V+
3	GND
4	RxD
5	TxD
6	D-
7	D+
8	n.c.
9	Beeper
10	Decode LED
11	n.c.
12	Trigger IN

Diagrams

Reading field



- x Reading field distance [mm]
- y Reading field width [mm]
- A UPC EAN (0.33 mm/13 mil)
- B Code 39/Code 128 (0,1mm/4mil)
- C QR/Datamatrix code (0,18mm/7mil)

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.

Accessories

Start-up/diagnosis

	Part no.	Designation	Article	Description
	50151531	MA-DCR50-S7	Adapter set	Description: Adapter circuit board for laboratory and test purposes, open circuit board

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.