

## Technical data sheet

### Mobile 2D-code reader

Part no.: 50153908  
HCR 230-C1-018/SET

#### Contents

- Technical data
- Electrical connection
- Operation and display



For illustration purposes only

## Technical data

### Basic data

Series	HCR 2xx
Contains	1x USB interconnection cable 1.8 m

### Read data

Code types, readable	2/5 Interleaved
	Codabar
	Codablock
	Code 128
	Code 39
	Code 93
	Data Matrix Code
	DotCode
	EAN 128
	EAN 8/13
	EAN Addendum
	GS1 Databar
	GS1 Databar Expanded
	GS1 Databar Limited
	GS1 Databar Omnidirectional
	GS1 Databar Stacked
	GS1 Databar Truncated
	QR code
	UPC

### Optical data

Reading distance	30 ... 350 mm
Light source	LED, White
Camera resolution, horizontal	1,280 px
Camera resolution, vertical	800 px
Opening angle, x-axis	46 °
Opening angle, y-axis	29 °
Bar code contrast (PCS)	30 %
Modulus size	0.127 ... 0.508 mm

### Electrical data

<b>Performance data</b>	
Supply voltage $U_B$	5 V, DC
Power consumption, max.	2 W
Rated operating current	150 mA

### Interface

Type	RS 232, USB
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### RS 232

Function	Process
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### USB

Function	Process
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### Connection

#### Connection 1

Type of connection	RJ41
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### Mechanical data

Dimension (W x H x L)	68 mm x 98 mm x 152 mm
Housing material	Plastic
Net weight	130 g

### Environmental data

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

### Certifications

Degree of protection	IP 54
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### Classification

Customs tariff number	84719000
ECLASS 5.1.4	27280101
ECLASS 8.0	27280101
ECLASS 9.0	27280101
ECLASS 10.0	27280101
ECLASS 11.0	27280101
ECLASS 12.0	27280101
ECLASS 13.0	27280101
ECLASS 14.0	27280101
ECLASS 15.0	27280101
ECLASS 16.0	27280101
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550
ETIM 8.0	EC002550
ETIM 9.0	EC002550
ETIM 10.0	EC002550
UNSPSC 26.08	43211701

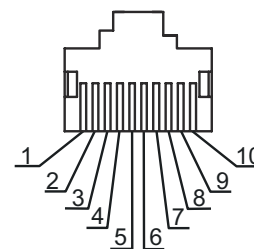
## Electrical connection

### Connection 1

Function	Data interface
Type of connection	RJ41

## Electrical connection

Pin	Pin assignment
1	RTS
2	USB D+
3	USB D-
4	GND
5	CTS
6	RxD
7	n.c.
8	+5 V DC
9	n.c.
10	TxD



## Operation and display

LED	Display	Meaning
1	Blue, 1x flashing	Reading successful
	Red	No reading result