Technical data sheet
Wireless mobile 2D-code reader
Part no.: 50154424
IT 1962gSR-2USB-9



For Illustration purposes only

Contents

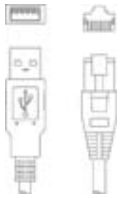
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IP 52

Bluetooth

Leuze

Set consists of

	Quantity	Part no.	Designation	Article	Description
	1	50114521	KB USB-1 IT190x	Interconnection cable	Suitable for interface: USB Connection 1: RJ41 Connection 2: USB Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC

Technical data

Basic data

Series	IT19xx
Contains	1x base station
	1x battery
	1x hand-held scanner
	USB cable

Read data

Code types, readable	2/5 Interleaved
	Aztec
	Codabar
	Code 128
	Code 39
	Code 93
	Composite Codes
	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
	Maxicode
	Micro PDF
	Micro QR
	Others on request
	PDF417
	QR code
	UPC

Optical data

Reading distance	0 ... 1,115 mm
Camera resolution, horizontal	1,280 px
Camera resolution, vertical	1,080 px

Electrical data

Performance data

Supply voltage U_B	4.75 ... 5.25 V, DC
Power consumption, max.	2.5 W
Battery technology	LiIon
Battery storage capacity	3.3 A·h

Interface

Type	PS/2, RS 232, USB

RS 232

Function	Process

USB

Function	Process

Connection

Bluetooth range	Class 2
Bluetooth version	4.2

Connection 1

Type of connection	Bluetooth

Mechanical data

Dimension (W x H x L)	70 mm x 108 mm x 160 mm
Housing material	Plastic
Net weight	247 g

Environmental data

Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-40 ... 70 °C
Relative humidity (non-condensing)	0 ... 95 %
Drop height	1.8 m
Measurements relative to	Concrete floor

Certifications

Degree of protection	IP 52

Classification

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
ECLASS 16.0	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
UNSPSC 26.08	43211701

Electrical connection

Connection 1

Function	Configuration interface
	Data interface
Type of connection	Bluetooth

Diagrams

Typical reading behavior

	A [mil]	B [mm]	C [mm]	D [mm]
Code 39	3	0,076	34	174
	5	0,127	23	311
	10	0,254	0	651
	20	0,508	4	1115
UPC	13	0,330	0	654
Code 128	7,5	0,191	6	367
	15	0,381	0	543
PDF 417	5	0,127	45	176
	6,7	0,170	22	229
Data Matrix Code	7,5	0,191	34	188
	10	0,254	12	273
QR-Code	10	0,254	11	262
	20	0,508	0	495

A Module size [mil]
B Modulus size [mm]
C From [mm]
D To [mm]
ATTENTION ! Please notice that the real reading distances are also influenced by factors such as labeling material, printing quality, reading angle, printing contrast etc., and may thus deviate from the reading distances specified here.

Operation and display

LED	Display	Meaning
1	Red, continuous light	Low battery level
	Green, 1x flashing	Reading successful
	Red, flashing	Communication error

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

Connection technology - Connection unit

	Part no.	Designation	Article	Description
	50112891	MA 248i Profinet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V, DC Current consumption, max.: 300 mA Interface: RS 232, PROFINET Connections: 6 Piece(s) Degree of protection: IP 65

Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
	50113397	KB JST-HS-300	Interconnection cable	Application: Chemical resistant Suitable for interface: RS 232 Connection 1: JST ZHR connector Connection 2: Sub-D, Axial, Male, 9 -pin Shielded: Yes Cable length: 300 mm Sheathing material: PUR

Power supply units

	Part no.	Designation	Article	Description
	50114525 *	NT f. IT 1900+Base-EU	Power supply unit	Type of power supply unit: Plug-in power supply unit Output: 5 V DC, 1 A Input: 110 ... 240 V AC, 50 ... 60 Hz

* Necessary accessories, please order separately

Note

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