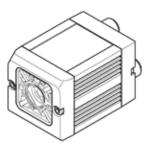
## code reader SBSI-B-R3B-F12-W

Part number: 2930233 Product to be discontinued

monochrome Code Reader with integrated lens, focal length 12mm, white LED illumination, Ethernet interface, RS-232 and Profinet for reading Barcodes and Datamatrixcodes.

Type to be discontinued. Available until 2024. See Support Portal for alternative products.



## **Data sheet**

Vision sensor version         Code reader           CE mark (see declaration of conformity)         to EU directive for EMC           KC mark         KC-EMV           Authorisation         RCM Mark (CU).           Operating distance         30 mm - infinite           Focal depth         12 mm           Field of vision         Min. 8x 6 mm           Focus setting         With adjusting screw           Lens attachment         Built-in optical devices           Lighting type         Integrated           Type of light         white           LED         LED           Sensor type         monochrome           Sensor resolution         736 x 480 pixels (WideVGA)           Image rate (frame)         50 fps           Max. number of test programs/jobs         8           Max. number of test criterial detectors         2           Function of detectors/characteristics         EAN           UPC         RSS           2/5 Interleaved         2/5 Industrial           Code 93         Code 128           GS1 <t< th=""><th>Feature</th><th>Value</th></t<>	Feature	Value
KC mark	Vision sensor version	Code reader
Authorisation CLU us - Listed (OL) Operating distance 30 mm - infinite Focal depth 12 mm Field of vision Min. 8 x 6 mm Focus setting With adjusting screw Lens attachment Built-in optical devices Lighting type Integrated Type of light white LED Sensor type monochrome Sensor resolution 736 x 480 pixels (WideVGA) Image rate (frame) 50 fps Max. number of test programs/jobs 8 Max. number of test programs/jobs 8 Max. number of test programs/sibs 10 LPC RSS 2/5 Interleaved 2/5 Industrial Code 39 Code 32 Code 128 GS1 Pharmacode Codabar ECC200 QR-Code PDF 417 Typical cycle time Information on Ethernet, connection technology Information on Ethernet, connection technology Information on Ethernet, connection technology Ethernet, data transmission speed Ethernet, supported protocols Ethernet, supported protocols  Ethernet, supported protocols  Ethernet, supported protocols	CE mark (see declaration of conformity)	to EU directive for EMC
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Operating distance         30 mm - infinite           Focal depth         12 mm           Field of Vision         Min. 8 x 6 mm           Focus setting         With adjusting screw           Lens attachment         Built-in optical devices           Lighting type         Integrated           Type of light         white           LED         LED           Sensor type         monochrome           Sensor resolution         736 x 480 pixels (WideVGA)           Image rate (frame)         50 fps           Max. number of test programs/jobs         8           Max. number of test criteria/detectors         2           Function of detectors/characteristics         EAN           UPC         RSS           RSS         2/5 Industrial           Code 39         Code 128           G51         Pharmacode           Code 128         G51           Pharmacode         Codabar           ECC200         QR-Code           PDF 417         10-Barcode: 30 ms           2D-Code: 40 ms         20-Code: 40 ms           Information on Ethernet, connection technology         Socket           M12         4-pin           Ethernet, supported protocols <td< td=""><td>Authorisation</td><td>RCM Mark</td></td<>	Authorisation	RCM Mark
Operating distance         30 mm - infinite           Focal depth         12 mm           Field of Vision         Min. 8 x 6 mm           Focus setting         With adjusting screw           Lens attachment         Built-in optical devices           Lighting type         Integrated           Type of light         white           LED         LED           Sensor type         monochrome           Sensor resolution         736 x 480 pixels (WideVGA)           Image rate (frame)         50 fps           Max. number of test programs/jobs         8           Max. number of test criteria/detectors         2           Function of detectors/characteristics         EAN           UPC         RSS           RSS         2/5 Industrial           Code 39         Code 128           G51         Pharmacode           Code 128         G51           Pharmacode         Codabar           ECC200         QR-Code           PDF 417         10-Barcode: 30 ms           2D-Code: 40 ms         20-Code: 40 ms           Information on Ethernet, connection technology         Socket           M12         4-pin           Ethernet, supported protocols <td< td=""><td></td><td>c UL us - Listed (OL)</td></td<>		c UL us - Listed (OL)
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Lens attachment     Built-in optical devices       Lighting type     Integrated       Type of light     white       Sensor type     monochrome       Sensor resolution     736 x 480 pixels (WideVGA)       Image rate (frame)     50 fps       Max. number of test programs/jobs     8       Max. number of test criteria/detectors     2       Function of detectors/characteristics     EAN       UPC     RSS       2/5 Interleaved     2/5 Industrial       Code 39     Code 128       GS1     Pharmacode       Codabar     ECC200       QR-Code     QB-P6417       Typical cycle time     1D-Barcode: 30 ms       Information on Ethernet, connection technology     Socket       Information speed     100 Mbit/s       Ethernet, data transmission speed     100 Mbit/s       Ethernet, supported protocols     Ethernet/IP	Focus setting	With adjusting screw
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Sensor resolution     736 x 480 pixels (WideVGA)       Image rate (frame)     50 fps       Max. number of test programs/jobs     8       Max. number of test criteria/detectors     2       Function of detectors/characteristics     EAN	Sensor type	monochrome
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Feature	Value
	SMB
	TCP/IP
Serial interface, connection technology	Plug
	M12
	5-pin
Serial interface, type	RS 232 / RS 422
Electrical connection	12-pin
	M12
	Plug
Number of digital inputs	2
Number of digital outputs	4
Number of selectable digital inputs/outputs	2
Switching input	PNP/NPN, switchable
Switching level	Signal 0: <= 3 V
	Signal 1: >= UB - 1 V
Switch output	PNP/NPN, switchable
Max. output current	50 mA
Short circuit strength	for all electrical connections
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	-25 % / +10 %
Max. current consumption	550 mA
Current consumption with load-free outputs	200 mA
Ambient temperature	0 50 °C
Storage temperature	-20 60 °C
Protection class	IP67
Dimensions W x L x H	45 mm x 45 mm x 76,7 mm
Product weight	160 g
Material housing	Anodised wrought aluminium alloy
Material cover	ABS-reinforced
Materials note	Conforms to RoHS
Vibration resistance	as per EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27