

/// BCL 600i



The new BCL 600i device family operates with blue laser light and thereby attains a depth of field up to 50 % greater with small modulus widths and eliminates the need for expensive focus adjustment. Furthermore, the integrated fieldbus technology simplifies integration in the control.



Benefits:

- Large reading field with small modulus widths
- No focus adjustment necessary
- Integrated interfaces: PROFIBUS, PROFINET and Ethernet TCP/IP
- Configure via GSDML file or webConfig
- multiScan over PROFINET or Ethernet TCP/IP

Part no.	Part description	Reading method Light beam exit	Interface	Reading distance	Module size	Scanning rate	Special design Type of display
----------	------------------	-----------------------------------	-----------	------------------	-------------	---------------	-----------------------------------

PROFINET interface

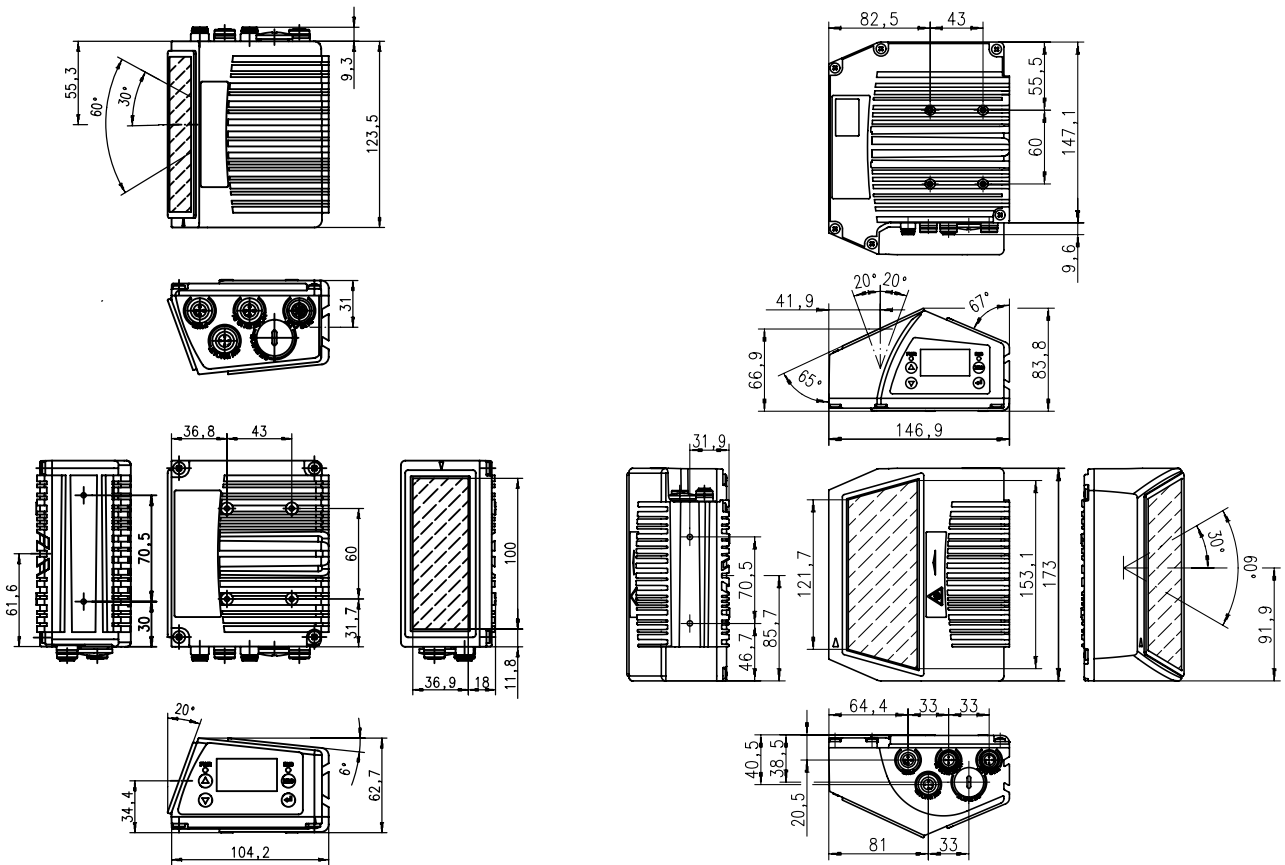
50126973	BCL 648i SM 102	Line scanner Front	PROFINET	300 ... 1,150 mm	0.25 ... 0.5 mm	1,000 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50126975	BCL 648i SF 102	Line scanner Front	PROFINET	450 ... 1,450 mm	0.3 ... 0.5 mm	800 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50131499	BCL 648i OM 100 H	Oscillating-mirror scanner Zero position at side at angle less than 90°	PROFINET	300 ... 1,150 mm	0.25 ... 0.5 mm	1,000 scans/s	Heating Monochromatic graphical display, 128x64 pixel, with background lighting LED
50126974	BCL 648i OM 100	Oscillating-mirror scanner Zero position at side at angle less than 90°	PROFINET	300 ... 1,150 mm	0.25 ... 0.5 mm	1,000 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50131498	BCL 648i OF 100 H	Oscillating-mirror scanner Zero position at side at angle less than 90°	PROFINET	450 ... 1,450 mm	0.3 ... 0.5 mm	800 scans/s	Heating LED Monochromatic graphical display, 128x64 pixel, with background lighting
50126976	BCL 648i OF 100	Oscillating-mirror scanner Zero position at side at angle less than 90°	PROFINET	450 ... 1,450 mm	0.3 ... 0.5 mm	800 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting

PROFIBUS DP interface

50129093	BCL 604i SM 102	Line scanner Front	PROFIBUS DP	300 ... 1,150 mm	0.25 ... 0.5 mm	1,000 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50129095	BCL 604i SF 102	Line scanner Front	PROFIBUS DP	450 ... 1,450 mm	0.3 ... 0.5 mm	800 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50129094	BCL 604i OM 100	Oscillating-mirror scanner Zero position at side at angle less than 90°	PROFIBUS DP	300 ... 1,150 mm	0.25 ... 0.5 mm	1,000 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50129096	BCL 604i OF 100	Oscillating-mirror scanner Zero position at side at angle less than 90°	PROFIBUS DP	450 ... 1,450 mm	0.3 ... 0.5 mm	800 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting

Part no.	Part description	Reading method Light beam exit	Interface	Reading distance	Module size	Scanning rate	Special design Type of display
Ethernet interface							
50126969	BCL 608i SM 102	Line scanner Front	Ethernet	300 ... 1,150 mm	0.25 ... 0.5 mm	1,000 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50126971	BCL 608i SF 102	Line scanner Front	Ethernet	450 ... 1,450 mm	0.3 ... 0.5 mm	800 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50126970	BCL 608i OM 100	Oscillating-mirror scanner Zero position at side at angle less than 90°	Ethernet	300 ... 1,150 mm	0.25 ... 0.5 mm	1,000 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting
50126972	BCL 608i OF 100	Oscillating-mirror scanner Zero position at side at angle less than 90°	Ethernet	450 ... 1,450 mm	0.3 ... 0.5 mm	800 scans/s	LED Monochromatic graphical display, 128x64 pixel, with background lighting

Dimensioned drawings: BCL 600i



BCL 600i bar code readers with front beam exit

BCL 600i bar code readers with oscillating mirror

ACCESSORIES: BCL 600i

Connection technology

Connection cables

Part no.	Part description	Connection 1	No. of pins	Cable length	Interface	Sheathing material
50104557	K-D M12A-5P-5m-PVC	Connector, M12, axial, female	5-pin	5,000 mm		PVC
50104187	KB PB-5000-SA	Connector, M12, axial, male	5-pin	5,000 mm	PROFIBUS DP	PUR
50104180	KB PB-5000-BA	Connector, M12, axial, female	5-pin	5,000 mm	PROFIBUS DP	PUR

Further connection cables can be found on our website

Interconnection cables

Part no.	Part description	Connection 1	Connection 1, no. of pins	Connection 2	Connection 2, no. of pins	Cable length	Interface	Sheathing material
50130631	KSS ET-M12-4A-M12-4A-P7-010	Connector, M12, axial, male	4-pin	Connector, M12, axial, male	4-pin	1,000 mm	Ethernet	PUR
50130632	KSS ET-M12-4A-RJ45-A-P7-010	Connector, M12, axial, male	4-pin	RJ45		1,000 mm	Ethernet	PUR
50109881	KB ET-5000-SA-RJ45	Connector, M12, axial, male	4-pin	RJ45		5,000 mm	Ethernet	PUR
50106900	KB ET-5000-SSA	Connector, M12, axial, male	4-pin	Connector, M12, axial, male	4-pin	5,000 mm	Ethernet	PUR
50104098	KB PB-5000-SBA	Connector, M12, axial, female	5-pin	Connector, M12, axial, male	5-pin	5,000 mm	PROFIBUS DP	PUR

Further interconnection cables can be found on our website

User-configurable connectors

Part no.	Part description	Connection	No. of pins	Interface
50108991	D-ET1	RJ45		Ethernet
50112155	S-M12A-ET	Connector, M12, axial, male	4-pin	Ethernet
50038538	KD 02-5-BA	Connector, M12, axial, female	5-pin	PROFIBUS DP, multiNet Plus
50038537	KD 02-5-SA	Connector, M12, axial, male	5-pin	PROFIBUS DP, multiNet Plus
50020501	KD 095-5A	Connector, M12, axial, female	5-pin	

Further connectors can be found on our website

Mounting systems

Rod mounts

Part no.	Part description	Design	Fastening at device	Fastening at system	Material
50027375	BT 56	Mounting system	Clampable	For 16 mm rod, for 18 mm rod, for 20 mm rod	Metal
50111224	BT 59		Clampable	Groove mounting	Metal

Further rod mounts can be found on our website

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories