

Products need labeling Print modules for industrial use





Print modules PX Q

Full functionality, high reliability, comfortable operation and low downtime related to maintenance! The PX Q print and peel-off module has been designed specifically for printing and labeling fully automatically in industrial applications. It can be integrated in any orientation of assembly to solve even complex marking tasks. A torsion-resistant cast aluminum construction is basis to assemble all the components of the print mechanics. Food-safe coating and stainless steel casings add to the perfect shape with special features. Screwing is compatible to the devices of competitors.





The universal one

ndustrial d	evice for	accurate ir	np	rint	

Print module	PX (Q4.3	PX Q4		
Printable resolution	on dpi	203	300	300	600
Print speed	up to mm/s	300	300	300	150
Print width	up to mm	104	108.4	105.7	105.7

The wide one

Suitable for Odette and UCC labels

Print module		PX	Q6.3
Printable resolu	tion dpi	203	300
Print speed	up to mm/s	250	250
Print width	up to mm	168	162.6

Directions of label transfer

PX Q print module 'L'



to the left





to the right

All the print modules are provided as left-hand and right-hand versions. As for printable resolutions, PX Q users can choose from 300 and 600 dpi, the PX Q4.3 and PX Q6.3. offer 203 and 300 dpi.

Details



Operation panel

Operating the device is intuitive and simple with the help of self-explanatory symbols to configure settings

2 Ribbon holder

Three-part tightening axles enable the ribbon to be replaced quickly and easily.

8 Rugged metal chassis

made of cast aluminum; basis to assemble all units

4 Plungers

One plunger is fixed on the inner side. A second one is moved that far to the label margin, until a good print image evokes.

9 Print head

All print heads are freely interchangeable at equal width. Easy replacement

6 Automatic ribbon saving (option)

The print head is lifted during label feed and the ribbon is stopped.

🕖 Print roller removal

It can be easily removed or inserted in the cases of cleaning or wear.

8 Simple replacement of materials

Label materials are inserted until lateral stop. The print head and wipe-down rollers are locked by levers.

9 Label sensor

A gap sensor or a reflective sensor position the imprint precisely on the label and detect the end of the material.

Material backfeed

After a label has been peeled off, the next one can be retracted to behind the print line. By this, the whole label can be printed and adhesive leaking is avoided during a longer pause. In case sensitive materials are processed and to prevent the ribbon from wrinkling, the print head can be lifted.

Imprint accuracy

The smaller a label, the higher are the requirements on the imprint accuracy. With the help of the adjustable slip correction, print offset can be reduced by ± 0.2 mm.

Operation panel

Operating the device is intuitive and simple with the help of self-explanatory symbols to configure settings.

- **1** LED signal: Power ON
- Status bar: data reception, record data stream, ribbon pre-warning, SD memory card / USB memory stick plugged, WLAN, Ethernet, USB slave, time
- Printer status: Ready, Pause, number of labels printed in a print job, label in peel-off position, awaiting external start signal
- **USB slot** to connect the Service Key or a memory stick, in order to transfer data to the IFFS memory
- Operation
 - Print label
 - 🔅 Jump to menu
 - 📑 Reprint last label
 - Interrupt and continue print job
 - Stop and delete all print jobs
 - Label feed



Setup options



Print position Y



Print parameters



Print speeds

Depending from the orientation of assembly, display is either in landscape or portrait mode.



Printer rotated by 90°





Video tutorials

External operation panel

If the operation panel of a printer cannot be accessed, an additional external one can be plugged.

Same functionality as on the printer

Landscape or portrait mode

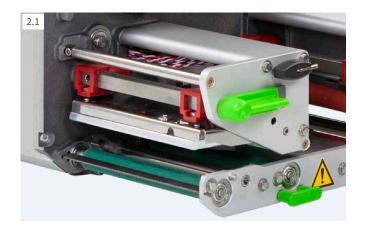
Operability as desired on the external operation panel or on the printer

Printer connectivity: USB 2.0 Hi-Speed device

- 1 LED: Power ON
- 2 USB port to plug a service key or a memory stick, to transfer data to the IFFS memory
- 3 **Connecting USB cable** for power supply cab provides specified cables. Lengths are 1.8 m to 16 m.



Print heads



All print heads are freely interchangeable at equal width. They are automatically detected and calibrated by the CPU. The print distance to the locating edge can be adjusted.

Major data such as running performance, maximum operating temperature and heat energy are directly stored in the print head. The data can be read at the plant.

Print heads for print module PX Q4 - 300, 600 dpi

providing sharp-edged print images suitable for small fonts and graphics on typeplates suitable for markings on materials with high energy needs

Print heads for print modules PX Q4.3 and PX Q6.3 - 203, 300 dpi durable; suitable for rough surroundings and thermal direct printing

Print rollers



Two types of material:

Print rollers DR Coating: synthetic rubber They suit for highly accurate imprint and are provided as standard.

Print rollers DRS Coating: silicone They have an extra long service life at a higher imprint tolerance.

Interfaces

- 1 Slot to connect a SD memory card
- 2 x USB Host to connect a Service Key, an USB stick, a keyboard, an USB WLAN stick, external operation panel
- 3 USB 2.0 Hi-speed device to connect a PC
- 4 Ethernet 10/100 Mbit/s
- 5 RS232C 1,200 to 230,400 baud/8 bit



Digital I/O interfaces; compliant with IEC/EN 61131-2, type 1+3 All inputs and outputs are galvanically isolated and protect from reverse polarity. In addition, outputs are short circuit protected.

6 Digital I/O interface 24 VDC; 25 pin SUB-D socket connector

Inputs PNP	Outputs PNP, NPN
Start printing	Device ready
Reprint	Print data available
Delete print job	Label in peel-off position
Label removed	Paper feed ON
Stop printing	Pre-warning to ribbon ending
Label feed	End of ribbon and/or end of
Pause	labels
Reset	Printer error
	Printing started

Digital I/O interface 5 VDC; 15 pin SUB-D socket connector

nputs PNP
_abel feed
Reprint
Start printing
Pause
Delete print job

Outputs PNP, NPN Pre-warning to ribbon ending End of ribbon End of labels Print data available End of printing Printer error

For more interfaces see "Options" on page 6

Options are parts or units to perform special functions. They are assembled to a printer in addition to or instead of standards.

If order implies options be assembled ex factory, the part numbers of such printers and options are added by .250. Options delivered separately are added by .001.

		1.1	1.2	1.3		
Pos.	Designation	PX Q4.3	PX Q4	PX Q6.3	.250	.001
3.1	Automatic ribbon saving					-
3.2	Print roller DRS					•
3.3	Digital I/O interface 24 VDC					•
3.4	Digital I/O interface 5 VDC					\bullet
3.5	2 port Ethernet Switch 10/100 Mbit/s					
3.6	Interface for plugging an external label sensor					•



Automatic ribbon saving

Use is recommended in cases of at least 60 mm unprinted area on a label. While labels are fed, the print head is lifted and the ribbon stopped, resulting in less material consumption.



Print roller DRS

providing a silicone coating. Product life is extra long, taken a higher print offset into account on a label.





Digital I/O interface 24 VDC 25 pin SUB-D socket connector





Digital I/O interface 5 VDC 15 pin SUB-D socket connector





2 port Ethernet Switch 10/100 Mbit/s to connect another terminal device in a joint network. Signals are looped through

3.6



Interface for plugging an external label sensor M12 plug, 5 pins, a-coded Plug-compatible with CEON and other sensors based on PNP and 24 V

Accessories

Accessorial products are plugged or screwed to a printer by the customer.

		1.1	1.2	1.3
Pos.	Designation	PX Q4.3	PX Q4	PX Q6.3
2.1	SD memory card			
2.2	USB memory stick			
2.3	USB WLAN stick			
2.4	USB WLAN stick including a rod antenna			
2.5	USB Bluetooth adapter			
2.6	I/O interface connector SUB-D, 25 pins			
2.7	I/O interface connector SUB-D, 15 pins			
2.8	External operation panel			
2.0	Connecting USB cable			
2.9	Label selection - I/O box			
2.10	Connecting RS232 C cable			
2.11	Interface cover unit			

2.1	SD memory card
2.2	USB memory stick
2.3	USB WLAN stick 2.4 GHz 802.11b/g/n hotspot or infrastructure mode
2.4	USB WLAN stick including a rod antenna to extend the range of operation 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac hotspot or infrastructure mode
2.6	I/O interface connector SUB-D, 25 pins All control signals can be attached to the I/O interface using clamping screws.
2.7	I/O interface connector SUB-D, 15 pins All control signals can be attached to the I/O interface using clamping screws.

Device functionality and compliance with CE standards are only guaranteed using accessories provided or recommended by cab.

2.8	External operation panel If the operation panel of a printer cannot be accessed, an additional external one can be plugged. Same functionality as on the printer
	Landscape or portrait mode
	Operability as desired on the external operation panel or on the printer
\bigcirc	Printer connectivity: USB 2.0 Hi-Speed device
	cab provides specified connecting USB cables for power supply. Lengths are 1.8 m to 16 m.
2.9	Label selection - I/O box A maximum of 16 different labels can be selected from a memory card by a master control unit, e.g. PLC.
2.10	Connecting RS232 C cable 9/9 pins, 3 m
2.11	Interface cover unit to protect from humidity and contamination



Technical data

● typical ■ standard □ option

Print module		Туре	PX	Q4.3	PX	Q4	PX	Q6.3
	Thermal transfer		•	•	•		•	•
	Thermal direct		•	•	_	_	•	•
Printable resoluti	ion	dpi	203	300	300	600	203	300
Print speed		up to mm/s	300	300	300	150	250	250
Print width		up to mm	104	108.4	105.7	105.7	168	162.6
Direction of label	transfer				L to the left o	r R to the right		
Print distance to	locating edge	for L and R mm	1	1	1	1	1	1
		aving L and R mm	3.2/2.6	1/0.4	2/2	2/2	1.2/1.2	3.9/3.9
Material								
Labels				Paper, plastics	s such as PET, PE	, PP, PI, PVC, PU,	acrylate, Tyvec	
Labels ¹⁾	Width	mm	10 -	116	10	- 116	50	- 174
	Height without back	feed from mm		6		6	:	12
	Height with back	feed from mm]	2		12	:	25
	Thickness	up to mm	0.	60	0	.60	0	.60
Liner material	Width	mm	25	120	25	- 120	50	- 178
	Thickness	mm			0.03	- 0.16		
Ribbon²)	Ink side				outside	or inside		
	Roll diameter	up to mm			0	90		
	Core diameter	mm			2	5.4		
	Variable length	up to m			6	00		
	Width	mm	25 - 114 25 -		25 - 114		50 - 170	
	Automatic saving		l					
Print module dir	nensions and weigh	ts						
Nidth x Height x [Depth	mm	245 x 300 x 333				245 x 300 x 393	
Weight kg		11.5 1					12	
Label sensor wit	h position indication	n						
Gap sensor		for	labels, puno	ch marks or prin	t marks and end	of material		
Reflective sensor	reflex from below	for	print marks	on non-transpa	rent liner mater	rials and end of n	naterial	
Distance of senso	or to locating edge	mm	4 -	- 60	4	- 60	4	- 60
Material passage		mm				2		
Electronics								
Processor 32 bit c	lock rate	MHz			8	00		
Main memory (RA	AM)	MB			2	56		
Data memory (IFI	FS)	MB			ļ	50		
Slot to connect a	SD memory card (SDI	HC, SDXC)						
Battery for time a	and date, real-time clo	ock						
Data memory wh (e.g. serial numbe	en power is switched ering)	off				•		
Interfaces								
RS232C 1,200 to 2	230,400 baud/8 bit							
•	device to connect a P	C	LPD, Rawlf	printing, SOAP	web service, OF	■ °C UA, WebDAV		
Ethernet 10/100 N 2 x USB host on th	,		DHĆP, HTT	P/HTTPS, FTP/F	TPS, TIME, NTP,	Zeroconf, SNMP,		ı.
2 x USB host on th		s and 9 outputs	Service Key, USB stick, USB WLAN stick, USB WLAN stick with a rod antenna, keyboard, barcode scanner, external control panel					
-	ce 5 VDC with 5 inputs							
0 /	witch 10/100 Mbit/s	una o outputs						
Operating data								
Power supply			100.240.1/4	C, 50/60 Hz, PFC				
,	ion							
Power consumpti Tomporaturo / hui		Operation		0 W / typical 100 ′ 10 - 85 %, not c				
Temperature / hu	multy	Operation Stock			0			
		Transport	0 - 60°C / 20 - 85 %, not condensing					
		nansport	-25 - 60°C / 20 - 85 %, not condensing CE, FCC Class A, ICES-3, cULus, CB, RCM Mark					

Limitations may apply to small labels, thin materials or strong adhesives. Critical applications need to be tested.
 The ribbon should at least correspond with the width of the liner material.

Technical data

Operation panel						
Colored LCD touch di	isplay	Screen d	0		"	4.3
		Resoluti	on Width	хH	eight px	480 x 272
Setup options						
	Print Labels Ribbon Peel-off Apply Interfaces Error			- - Tim Dis _l - -	olay: Brightnes	l e ss ving mode
Status bar					•	
		tastream	gged in	USE	ernet 3 slave	
Monitoring						
	Ribbon Labels Print head	-	ng iterial aterial	וg	Print roll backfeed	
		Temperat open	ure			
Test routines		•				
System diagnostics	on start-u	p, includin	g print h	ead	detectior	ı
Information display, test printout, analysis	Status pri Fonts list List of dev WLAN stat Record pr	/ices		Lab List Mor	t grid el profile of events nitor mod rd	
Status reports	 Printout e.g. print Device st Display c 	of device s t lengths ar tatus reque of, e.g., net errors, per	ettings, nd servic est by sof work erro	e ho twa ors,	ours re comma no links,	and
Fonts		/1				
Font types provided internally	5 Bitmap 12 x 12 do 16 x 16 do 16 x 32 do OCR-A OCR-B	ots ots		i Me mvii ngH bace 21	dium GB- rate Cond eiLight 821	Mono ensed Bold
to be stored	TrueType					
Character sets	DOS 437, 7 EBCDIC 50	1 to -10 and 20 in uropean uropean implified), 852, 85 d -13 to -	16 Cyri Gre Lati	illic ek in orew	6,869

cab uses free and Open Source Software in its products. For information see **www.cab.de/opensource**

Fonts						
Bitmap fonts	Widths and heights 1 - 3 m Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 2					
Vector-/ TrueType fonts	Widths and heights 0,9 - 128 mm Continuous zoom					
Font styles	Orientation 360° in steps of 1° bold, italic, underlined, outline, inverse					
Character spacing	- depending from the font types variable or monospace for fixed character spacings					
Graphics	valuate of monospace for	inced endracter space				
Graphic elements	Lines, arrows, rectangles, o	circles, ellipses				
Graphic formats	- filled or filled with fading PCX, IMG, BMP, TIF, MAC, G					
Codes	rcx, imid, dmr, fir, mac, d	IF, FING				
1D barcodes (linear)	Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN/UCC 128/GS1-128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC	Interleaved 2/5 Ident and routing of Deutsche Post Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0	code			
2D and stacked codes	DataMatrix DataMatrix Rectangle Exter QR code Micro QR code GS1 QR code GS1 DataMatrix PDF 417 Micro PDF 417 UPS MaxiCode GS1 DataBar Aztec Codablock F Dotcode RSS 14 truncated, limited, stacked omni-directional All codes are variable in ter modular width and ratio; or check digit, plain text print are options depending from	stacked, rms of height, rientations 0°, 90°, 180 tout and start / stop				
Software						
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print					
Running also with	CODESOFT Loftware Spectrum NiceLabel BarTender					
Stand-alone operation						
Windows printer drivers for	Windows 11	Server 2016 Server 2019 Server 2022				
Applo printor driver	Certification WHQL in prep		_			
Apple printer drivers Linux printer drivers	Mac OS X 10.6 or any later		-			
Programming	CUPS 1.2 or any later relea JScript printer language abc Basic Compiler ZPL II (Datastream be test					
Integration	SAP Database Connector					
Administration	Printer control Configuration in Intranet a	nd Internet				

■ standard □ option

cablabel S3 software

Designing, printing, administrating

N

cablabel S3 opens up the full potential of cab devices. First of all, the label must be designed. cablabel S3 is of a modular design which makes it adaptable to requirements step by step. To support functions like native JScript programming, elements such as the JScript Viewer are embedded as plug-ins. The designer user interface and the JScript code are synchronized in real time. Special functions like the Database Connector or barcode testers can be integrated.



For further information see www.cab.de/en/cablabel



Stand-alone printing

A printer can select and print labels even when the system is disconnected from a host.

Labels are designed using software such as cablabel S3 or a text editor on a PC. Label formats, texts, graphics and data taken from a database are transferred to a memory card, a USB memory stick or the internal IFFS memory.

Only variable data are sent to the printer using a keyboard, a barcode scanner, scale or another host system and/or are recalled from a host by the Database Connector and printed.



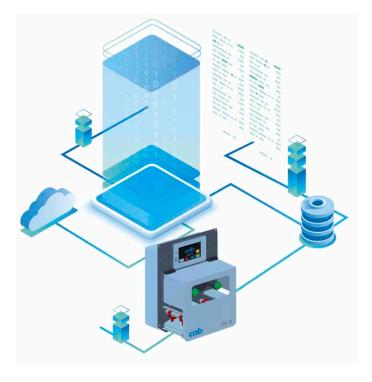
OPC UA

The latest cab printers are ready to interact with machines and components of different manufacturers in industrial plants.

An OPC UA server and a client are part of the firmware.

The server enables a printer be configured and controlled. Dynamic print data can be edited using a defined programming interface.

The integral client enables reading data fields from other machines ready for OPC UA, as well as transferring data to a label. No additional software is needed.



Printer control

Drivers

cab provides drivers to control a printer with software other than cablabel S3.

Free download on www.cab.de/en/support

Programming

JScript

To control a printer, cab developed the embedded JScript programming language. Free manual download on www.cab.de/en/programming



cab

JS

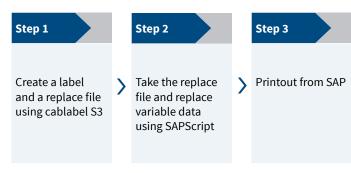
abc Basic Compiler

An integral part of the firmware, it adds to JScript in terms of programming a printer before data are edited for processing. For example, external printer languages can be replaced without intervening in the print job in process. Data may be transferred also from other systems, such as scales, barcode scanners or PLC.

Integration

Printer Vendor Program

SAP As a member in this program, cab developed a replace method by which cab printers can be controlled from SAP¹)R/3 using SAPScript. Only variable data are sent by a host system to the printer. Data such as pictures and fonts which had been transferred to a local memory (IFFS, memory card, etc.) before, are collected.



¹⁾ SAP and all its corresponding logos are trademarks or registered trademarks of SAP SE

Printer administration



Configuration on the Intranet / Internet

cab printers integrate a HTTP and FTP server. A printer can be controlled and configured, firmware updated and memory cards managed using a standard web browser

or FTP client. Administrators and operators are notified of states, warnings and errors via email or datagrams, based on a SNMP/ SMTP client. Time and date are synchronized by a time server.

ti thun	Senap 🔂 S	eouty Et Nothcatons	Derees Este	nta 🚼 Holp	•			1 Persor Display
			and the second s	PX Q4.3L/30		лікана манган (о)	Ster. L	Max 10
		Operative t	ime	Number of	iabets			
		Total	501h 49min	Total	25675			
		Service		Service				
		Thermal tr	mater	Thermal dir	ect			
		Total	2334.5 m	Total	39.166 m			
		Service		Service				
Data - Time 2019-05-18 (5.24 M				Wessage Statut				A 15:31
						0	Ready Ready	•



Database Connector

Printers connected to a network are enabled to access data directly from a central ODBC / OLEDB database and transfer it to a label. While labels are printed, data can be rewritten to the database..



PX Q delivery program

Print modules L

Pos	j .	Part no.	Designation
1 1		5591501 5591502	Print module PX Q4.3L/200 I/O 24 VDC Print module PX Q4.3L/300 I/O 24 VDC
1.1		5591503 5591504	Print module PX Q4L/300 I/O 24 VDC Print module PX Q4L/600 I/O 24 VDC
1.2		5591505 5591506	Print module PX Q6.3L/200 I/O 24 VDC Print module PX Q6.3L/300 I/O 24 VDC

xxxxxxx.250 if PX Q provides options

Print modules R

Pos.	Part no.	Designation
1.1	5591510 5591511 5591512 5591513	Print module PX Q4.3R/200 I/O 24 VDC Print module PX Q4.3R/300 I/O 24 VDC Print module PX Q4R/300 I/O 24 VDC Print module PX Q4R/600 I/O 24 VDC
1.2	5591514 5591515	Print module PX Q6.3R/200 I/O 24 VDC Print module PX Q6.3R/300 I/O 24 VDC

xxxxxxx.250 if PX Q provides options

	Scope of PX Q print module delivery		
	PX Q print module Power cable Type E+F, 1.8 m Connecting USB cable, 1.8 m Assembly instructions DE/EN/FR		
	Available online		
https://setup.cab.de/en	Assembly instructions DE/EN/FR, Configuration manuals DE/EN/FR Service manuals DE/EN Spare parts lists DE/EN Programming manual EN Windows printer drivers for Windows 10 Server 2016 Windows 11 Server 2019 Server 2022 Certification WHQL in preparation Apple Mac OS X printer drivers DE/EN/FR Linux printer drivers DE/EN/FR cablabel S3 Lite software and Viewer Database Connector (no activation)		

Scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change. The data provided in the catalog do not represent any warranty or guarantee.

Options

Pos.		Part no.	Designation
3.1		5591794.250 5591796.250 5591795.250	Automatic ribbon saving 4L Automatic ribbon saving 6L Automatic ribbon saving 4R
	A CONTRACTOR	5591797.250	Automatic ribbon saving 4R
3.2		5954985.xxx	Print roller DRS4
3.2		5954979.xxx	Print roller DRS6
3.3		6010372.xxx	Digital I/O interface 24 VDC
3.4		6010512.xxx	Digital I/O interface 5 VDC
3.5		6010520.xxx	2-Port Ethernet Switch 10/100 Mbit/s
3.6		5591816.xxx	Interface for plugging an external label sensor

xxx - .250 assembled to the printer .001 delivered separately



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Information is available also on the Internet: www.cab.de/en/pxq

PX Q delivery program

Accessories

Pos.		Part no.	Designation
2.1		5977370	SD memory card
2.2		5977730	USB memory stick
2.3		5978912	USB WLAN stick 2.4 GHz 802.11b/g/n
2.4		5977731	USB WLAN stick including a rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.6		5917651	I/O interface connector SUB-D, 25 pins
2.7		5917652	I/O interface connector SUB-D, 15 pins
		6010186	External operation panel
2.8		5907718.850 5907730.850 5907750.850 5907760.850 5907765.850	Connecting USB cable, 1.8 m Connecting USB cable, 3 m Connecting USB cable, 5 m Connecting USB cable, 11 m Connecting USB cable, 16 m
2.9	ß	5948205	Label selection - I/O box
2.10		5550818	Connecting RS232 C cable 9/9 pins, 3 m
2.11		5591753	Interface cover unit

Label software

Pos.	Part no.	Designation
	Bundle	cablabel S3 Lite (download on cab.de/en)
	5588001 5588100 5588101 5588150 5588151 5588152	cablabel S3 Pro, 1 WS cablabel S3 Pro, 5 WS cablabel S3 Pro, 10 WS cablabel S3 Pro, 1 add. licence cablabel S3 Pro, 4 add. licences cablabel S3 Pro, 9 add. licenses
11.9	5588002 5588105 5588106 5588155 5588156 5588157 in	cablabel S3 Print, 1 WS cablabel S3 Print, 5 WS cablabel S3 Print, 10 WS cablabel S3 Print, 1 add. licence cablabel S3 Print, 4 add. licenses cablabel S3 Print, 9 add. licenses cablabel S3 Print Server
	preparation	
11.10	9008486	Programming manual EN, printed copy

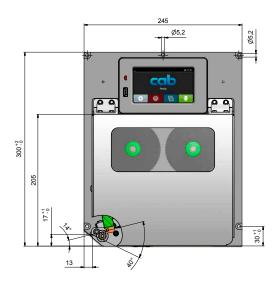
Wear parts

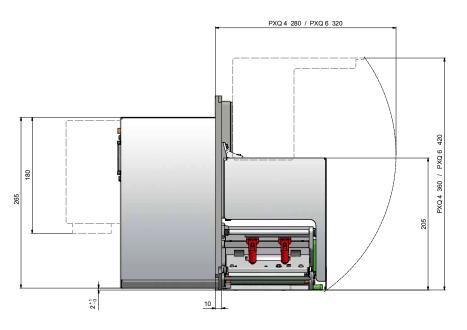
Pos.		Part no.	Designation	dpi
		5977382.001	Print head 4.3	200
		5977383.001	Print head 4.3	300
		5977444.001	Print head 4	300
	and the second	5977380.001	Print head 4	600
		5977386.001	Print head 6.3	200
		5977387.001	Print head 6.3	300
		5954180.001	Print roller DR4	
		5954245.001	Print rollerr DR6	

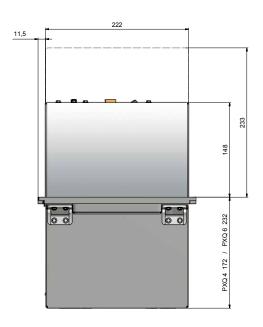
User languages

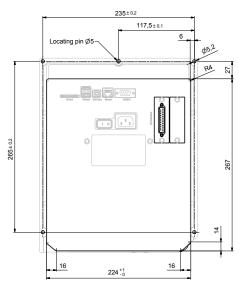
	Assembly	Control	Windows	Service	cablabel
Language	instructions	panel	driver	manual	S 3
European U					
Bulgarian		Х	Х		Х
Danish	Х	Х	Х		
German	Х	Х	Х	Х	Х
Estonian		Х	Х		
Finnish		Х	Х		
French	Х	Х	Х		Х
Greek	Х	Х	Х		
Italian	Х	Х	Х		Х
English	Х	Х	Х	Х	Х
Croatian		Х	Х		
Latvian		Х	Х		
Lithuanian	Х	Х	Х		
Dutch	Х	Х	Х		
Polish		Х	Х		Х
Portuguese		Х	Х		
Romanian		Х	Х		
Swedish		Х	Х		
Slovak	Х	Х	Х		
Slowenian		Х	Х		
Spanish		Х	Х		Х
Czech	Х	Х	Х		Х
Hungarian	Х	Х	Х		
Europe (Nor	n-EU)				1
Macedonian		Х	Х		
Norwegian	Х	Х	Х		
Russian	Х	Х	Х		Х
Serbian		Х	Х		
Turkish		Х	Х		
Asia					
Chinese		х	х		х
(simplified)		^	^		^
Chinese		х	х		х
(traditional)					
Japanese			X		
Korean			X		Х
Thai		Х	Х		
Middle East					
Arabian		X			
Persian		Х			

Dimensions









Print module weights	PX Q4.3	PX Q4	PX Q6.3
kg	11.5	11.5	12

Overview of cab products



Germany cab Produkttechnik GmbH & Co KG Karlsruhe Phone +49 721 6626 0 www.cab.de

France cab Technologies S.à.r.l. Niedermodern Phone +33 388 722501 www.cab.de/fr USA cab Technology, Inc. Chelmsford, MA Phone +1 978 250 8321 www.cab.de/us

Mexico cab Technology, Inc. Juárez Phone +52 656 682 4301 www.cab.de/es **Taiwan cab Technology Co., Ltd.** Taipei Phone +886 (02) 8227 3966 *www.cab.de/tw*

China cab (Shanghai) Trading Co., Ltd. Shanghai Phone +86 (021) 6236 3161 www.cab.de/cn Singapore cab Singapore Pte. Ltd. Singapore Phone +65 6931 9099 www.cab.de/en

South Africa cab Technology (Pty) Ltd. Randburg Phone +27 11 886 3580 www.cab.de/za

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Norris Print-Tech A/S

Sofiendalsvej 81 DK-9200 Aalborg SV Phone +45 98 18 17 77 info@npt.dk www.npt.dk



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