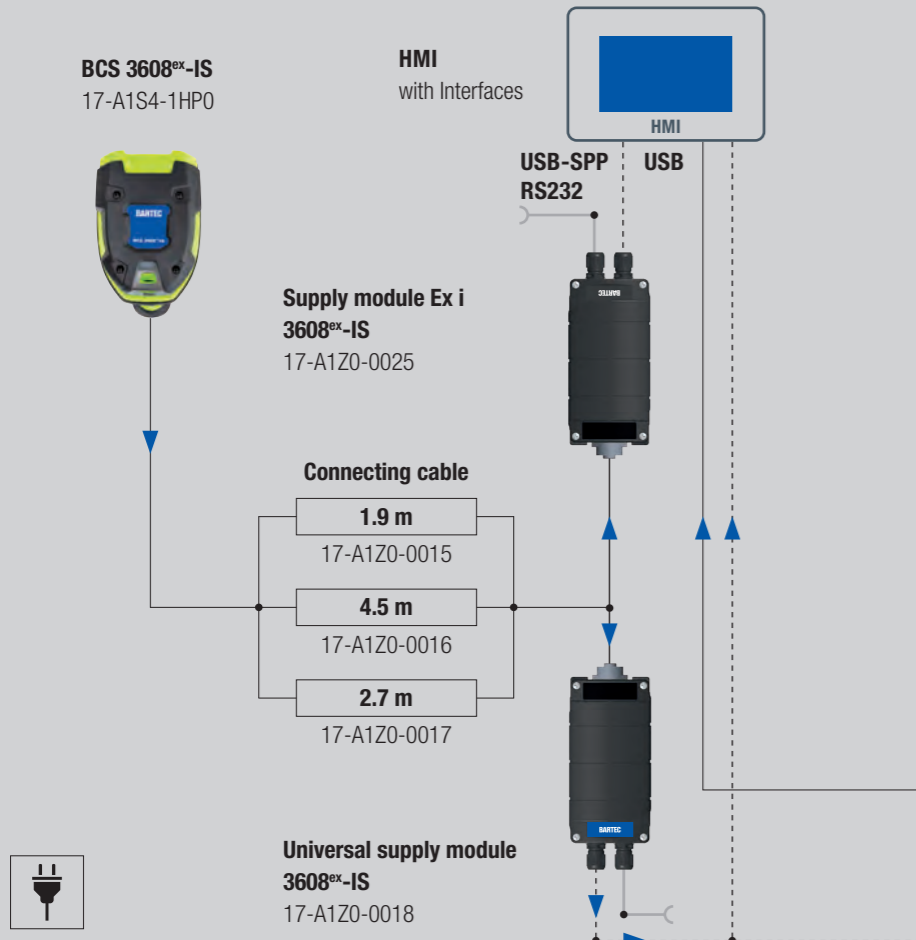




Hand-held scanner BCS 3600<sup>EX</sup>-NI series



**ACCESSORIES**

**Leather holster**  
17-A1Z0-0024

**Special tool for lock nut**  
G7-A0Z0-0031

**PROGRAMMING**  
via Zebra  
123Scan Utility  
(USB supported only)

**Programming cable (optional)**

1.9 m USB	IS	17-A1Z0-0020	12 V	NI	B7-A2Z0-0046
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**CUSTOMER SOLUTION**  
available interfaces  
USB-SPP (virtual COM)  
RS232  
RS422  
RS485

available interfaces  
USB-SPP (virtual COM)  
RS232  
RS422  
RS485

PC

Zebra 123Scan Utility  
[www.zebra.com](http://www.zebra.com)

**COMMUNICATION + LOADING**  
Only with Bluetooth

Connecting cable for Zone 1/Div. 1		Connecting cable for Zone 2/Div. 2	
RS232, 1.9 m	17-A1Z0-0026	RS232, 2.0 m	G7-A0Z0-0014
RS232, 4.5 m	17-A1Z0-0027	RS232, 4.6 m	G7-A0Z0-0015
USB, 2 m, ext. 12 V	17-A1Z0-0020	RS232, 2.8 m	G7-A0Z0-0016
		USB, 2 m, ext. 12 V	G7-A0Z0-0018

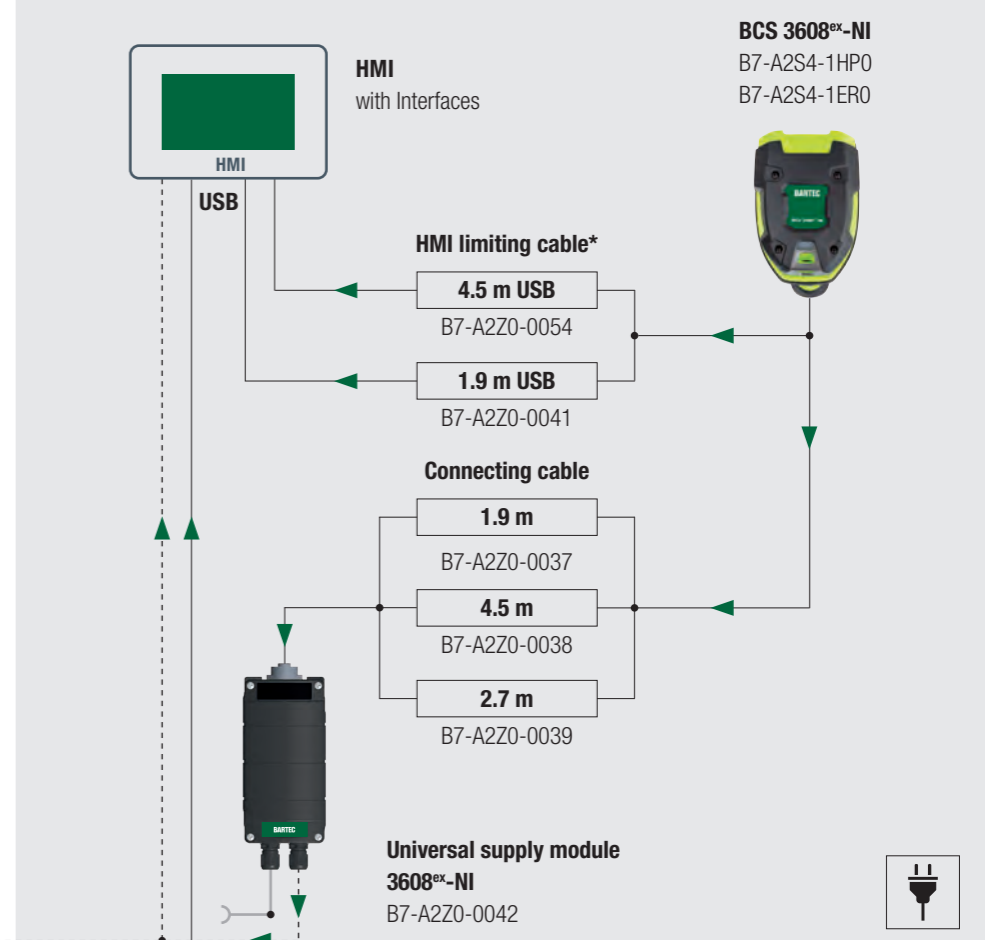
**Base station**

IS	17-A1Z0-0014
NI	G7-A0Z0-0010

**4-slot battery charger**

IS	17-A1Z0-0013
NI	G7-A0Z0-0013

**LOADING**





The latest generation of rugged handheld scanners in the BCS 36x8<sup>ex</sup> series for use in hazardous areas offers outstanding performance for the unparalleled scanning of 1D/2D barcodes, photos, documents and more. The devices are based on the ZEBRA “3600 Ultra-Rugged Series Handheld Scanners” series and are now also available from BARTEC in an explosion-protected version. They are available for ATEX/IECEX and ETL. Further local approvals are available on request. The series consists of a corded (BCS 3608<sup>ex</sup>) and cordless (BCS 3678<sup>ex</sup>) Bluetooth version, which are used in the toughest environments in the world – in warehouses and production halls. These scanners don’t just enable every 1D or 2D barcode to be scanned from a distance of up to 2.1 m, but also capture a diverse amount of business information to rationalise everyday business processes such as OCR, documents and photos. Irrespective of the type of data your employees need to collect, you now get all the familiar functions from the industrial application for use in a potentially explosive atmosphere. The BCS 3600<sup>ex</sup> series therefore offers a new level of reliability for scanners. The result? The most reliable, fastest and most accurate scanning functionality on the market, setting new standards.

Industries	Areas of use
Warehouse management Production	Outstanding data capture for the management of articles in the entire goods flow (incoming and outgoing goods, warehouse management, etc.)  Proof of delivery Image capture

**Decoding options**

**Photos can only be forwarded to the host PC via the base station.**

1D barcodes	UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 128, ISBT Concatenation, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 DataBar variants
2D barcodes	PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxicode, QR Code, Micro QR, Aztec, Han Xin, GS1-QR, GS1-DM
Postcodes	US Postnet, US Planet, UK Postal, Japan Post, Australia Post, Royal Mail 4 State Customer, KIX Code (Dutch), UPU 4 State Postal FICS (Post US4), USPS 4 State Postal (Post US3)
OCR (6 to 60 point OCR typeface)	OCR-A/B, MICR-E13B, Series number of US currency
IUID Support	Supports IUID parsing, the ability to read and separate IUID fields according to application requirements.



- **Outstanding performance**

Your employees can scan information at high speed – virtually all current bar-codes under any conditions. Photos range from those documenting the condition of incoming deliveries, through to providing images for electronic archiving (photos can only be transferred to the host PC via the base station). It is not even a problem if barcodes are damaged, soiled or have been printed in poor quality – this intelligent scanner can handle them all.

- **Ultra-rugged design**

There is hardly any place as tough as in the warehouse or the production plant. For this reason we have now also developed a version of the DS 3608 and DS 3678 from ZEBRA that can be used in potentially explosive atmospheres. These models are available in a corded and cordless design, and are the most robust scanners on the market.

- **Unrivalled handling simplicity**

With the tools available, these scanners are easy to use. You can remotely configure and extend your scanners, format data for an immediate transfer to your business applications and much more.

- **Outstanding scan performance with 1D/2D barcodes in every environment**

The advanced imager reads 1D and 2D barcodes on a monitor or label faster and with a 30 % larger working area than comparable models of this class for unsurpassed productivity. Employees are able to successfully scan virtually any barcode at the first attempt, even if it is damaged, dirty, poorly printed or under shrink-wrap.

- **Ultra-rugged – the toughest design in its class**

The BCS 3608<sup>ex</sup>/BCS 3678<sup>ex</sup> is our most rugged scanner yet. It has the greatest ability to withstand drops and tumbles, and has the best seal in its class. Both models are dust-proof, spray-proof and waterproof in accordance with IP 65.

- **More than just barcodes: capture OCR, photos and documents**

With ZEBRA's intelligent document capture, photos are taken, refocused and corrected to make them easier to read. Several OCR typefaces are supported, ensuring fast and simple data transfer (photos can only be transferred to the host PC via the base station).

- **Simple handling with the original complimentary tools from ZEBRA**

You can use the original ZEBRA tools for the DS3608-HP and DS3678-HP series. The tools available also include the 123Scan Utility and the Scanner Management Service (SMS), which offer a remote method of configuring scanners, performing firmware upgrades and formatting data appropriately for your backend systems.

- **Capture and processing of up to 20 barcodes simultaneously**

Many labels have several barcodes which need to be scanned by your staff. Now, one press of the trigger captures the right barcodes and applies the unique data format required for each one for instant transmission to your back-end systems – all with complete control over the order barcodes are processed.

- **Faster pick-list processing**

Users can easily select and read an individual barcode from any pick list.

- **A Bluetooth model in a class of its own for superior cordless freedom**

Bluetooth 4.0 (Low Energy) provides a lightning fast connection and maximum energy efficiency. The ZEBRA Wi-Fi friendly mode puts an end to the interference frequently caused by Bluetooth devices in Wi-Fi environments. The compact and rugged cradle offers excellent flexibility and durability. The BCS 3678<sup>ex</sup> is the only scanner of this product family with a cradle in the IP 65 class of protection. Its charging contacts withstand 250,000 insertions.

The first-in-its-class 'battery charge gauge' and Bluetooth status LED make it easy to monitor battery power as well as Bluetooth connectivity.

The Power Precision +/- battery is the ultimate in battery performance and management.



The corded version is ideal for stationary applications used to collect data from 1D barcodes, 2D barcodes, postcodes and OCR in a potentially explosive atmosphere. The rugged version offers all highly developed ergonomic and functional features required in industrial applications. The corded version requires a universal supply module to guarantee ex-compliant voltage supply and data communication (Transfer of photos to the host PC is only possible via the base station).

### Explosion protection

Marking ATEX Zone 2/22	II 3G Ex ic op is IIC T4 Gc II 3D Ex ic op is IIIC T135°C Dc IP 64
Certification	EPS 16 ATEX 1 113 X
Marking IECEX Zone 2/22	Ex ic op is IIC T4 Gc Ex ic op is IIIC T135°C Dc IP 64
Certification	IECEX EPS 16.0050X
Marking ETL	Class I, II, III Div 2 Class I Div 2 Groups A, B, C and D Class II Div 2 Groups G, F Class III Class I Div 2 Class I Div 2 Groups A, B, C and D T4
Certification	applied for
Other approvals and certificates, see <a href="http://www.bartec.com">www.bartec.com</a>	

### Technical data

Physical features	
Dimensions (H x W x D)	185 mm x 76 mm x 132 mm
Weight	309 g excluding cord
Operating current (full operation)	500 mA (typical)
Resting current (stand-by)	125 mA (typical)
Input voltage	5 V
Max. input power	2.75 W
Max. input current	550 mA
Colour	Industrial green
Material	Polycarbonat (PC)
User displays	Direct decoding display, LEDs, signal tone, vibration
Power supply	using universal supply module or other Ex-compliant supply module
Supported interfaces	RS232 (Scanner to the universal power supply module)

Performance features	
Illumination	2 x LED, warm white
High-performance scanner 1D/2D imager SE4750 HP	For scanning 1D barcodes, 2D barcodes, postcodes, OCR
User environment	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % to 95 %, condensing
Protection class (IEC 60529)	IP 65
Insensitivity to ambient light	0 to 108,000 lux (in direct sunlight)
Programming/service programs	
Programming cable (from PC to scanner via USB)	Available as an option; for the use of ZEBRA Software Tools such as 123Scan Utility to configure hand-held scanners in the safe area on a PC
Programming manual	Permits programming by scanning barcodes. Available at: <a href="http://automation.bartec.de/indexE.htm">http://automation.bartec.de/indexE.htm</a> , <a href="http://www.zebra.com">www.zebra.com</a>
123Scan Utility	Programming of scanner parameters via USB, firmware upgrades, provision of scanned barcode data and printing of reports. Available at: <a href="http://www.zebra.com">www.zebra.com</a> Programming via the universal supply module is not supported. A programming cable (Typ B7-A2Z0-0046) required in non- hazardous areas.
Scanner Management Service (SMS)	Performs remote administration of your ZEBRA scanners and retrieves its inventory data. Available at: <a href="http://www.zebra.com">www.zebra.com</a>
Scope of delivery	BCS 3608 <sup>ex</sup> -NI, Quick start guide Also required: (not included with delivery) - Universal supply module - Connecting cable or HMI limiting cable for data transmission

### Ordering information

BCS 3608 <sup>ex</sup> -NI	<b>B7-A2S4-1HP0</b>
Technical data subject to change without notice.	



The corded version with extended range is ideal for stationary applications used to collect data from 1D barcodes, 2D barcodes, Digimarc and IUID support in a potentially explosive atmosphere. With a range of 7.6 cm to 21.4 m, barcodes can now be scanned from any distance. The rugged version offers all highly developed ergonomic and functional features required in industrial applications. The corded version requires a universal supply module to guarantee ex-compliant voltage supply and data communication (Transfer of photos to the host PC is only possible via the base station).

### Explosion protection

Marking ATEX Zone 2/22	II 3G Ex ic op is IIC T4 Gc II 3D Ex ic op is IIIC T135°C Dc IP 64
Certification	EPS 16 ATEX 1 113 X
Marking IECEX Zone 2/22	Ex ic op is IIC T4 Gc Ex ic op is IIIC T135°C Dc IP 64
Certification	IECEX EPS 16.0050X
Marking ETL	Class I, II, III Div. 2 Class I Div. 2 Groups A, B, C and D Class II Div. 2 Groups G, F Class III  Class I Div. 2 Class I Div. 2 Groups A, B, C and D T4
Certification	applied for
Other approvals and certificates, see <a href="http://www.bartec.com">www.bartec.com</a>	

### Technical data

Physical features	
Dimensions (H x W x D)	185 mm x 76 mm x 132 mm
Weight	334 g excluding cable
Operating current (full operation)	500 mA (typical)
Resting current (stand-by)	128 mA (typical)
Input voltage	5 V
Max. input power	2,75 W
Max. input current	550 mA
Colour	Industrial green
Material	Polycarbonat (PC)
User displays	Direct decoding display, LEDs, signal tone, vibration
Power supply	using universal supply module or other Ex-compliant supply module
Supported interfaces	RS232 (Scanner to the universal power supply module)

Performance features	
Illumination	2 x LED, warm white
High-performance scanner 1D/2D imager SE4850-ER	For scanning 1D barcodes, 2D barcodes, Digimarc, IUID support
User environment	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % to 95 %, condensing
Protection class (IEC 60529)	IP 65
Insensitivity to ambient light	0 to 108.000 Lux (in direct sunlight)
Programming/service programs	
Programming cable (from PC to scanner via USB)	Available as an option; for the use of ZEBRA Software Tools such as 123Scan Utility to configure hand-held scanners in the safe area on a PC
Programming manual	Permits programming by scanning barcodes. Available at: <a href="http://automation.bartec.de/indexE.htm">http://automation.bartec.de/indexE.htm</a> , <a href="http://www.zebra.com">www.zebra.com</a>
123Scan Utility	Programming of scanner parameters via USB, firmware upgrades, provision of scanned barcode data and printing of reports. Available at: <a href="http://www.zebra.com">www.zebra.com</a> Programming via the universal supply module is not supported. A programming cable (Typ B7-A2Z0-0046) required in non-hazardous areas.
Scanner Management Service (SMS)	Performs remote administration of your ZEBRA scanners and retrieves its inventory data. Available at: <a href="http://www.zebra.com">www.zebra.com</a>
Scope of delivery	BCS 3608 <sup>ex</sup> -NI, Quick start guide Also required: (not included with delivery) - Universal supply module - Connecting cable or HMI limiting cable for data transmission

### Ordering information

BCS 3608 <sup>ex</sup> -NI	<b>B7-A2S4-1ERO</b>
Technical data subject to change without notice.	



The Bluetooth version is ideal for mobile applications used to collect data from 1D barcodes, 2D barcodes, postcodes and OCR in a potentially explosive atmosphere (Transfer of photos to the host PC is only possible via the base station). The rugged version offers all highly developed ergonomic and functional features required in industrial applications. For the Bluetooth version there are several possibilities to transfer the data via Bluetooth "Single Point-to-Point".

**Explosion protection**

Marking ATEX Zone 2/22	II 3G Ex ic op is IIC T4 Gc II 3D Ex ic op is IIIC T135°C Dc IP 64
Certification	EPS 16 ATEX 1 113 X
Marking IECEX Zone 2/22	Ex ic op is IIC T4 Gc Ex ic op is IIIC T135°C Dc IP 64
Certification	IECEX EPS 16.0050X
Marking ETL	Class I, II, III Div. 2 Class I Div. 2 Groups A, B, C and D Class II Div. 2 Groups G, F Class III  Class I Div. 2 Class I Div. 2 Groups A, B, C and D T4
Certification	applied for
Other approvals and certificates, see <a href="http://www.bartec.com">www.bartec.com</a>	

**Technical data**

<b>Physical features</b>	
Dimensions (H x W x D)	185 mm x 76 mm x 142 mm
Weight	411 g
Colour	Industriegrün
Material	Polycarbonate (PC)
User displays	Direct decoding display, LEDs, signal tone, vibration
Battery	Lithium-ion 3.6 V/3150 mAh (11.34 Wh)
Cordless connection to	Bluetooth universal supply module, base station, Bluetooth-enabled device Bluetooth Class 1, Version 4.0 (LE), serial interface (SPP) and HID profile
Radio range (direct visual connection outdoors - laboratory values)	Via Bluetooth universal supply module, base station or Bluetooth-enabled terminal devices Class 1: up to 100.0 m Class 2: up to 10.0 m
Data rate	3 Mbit/s (2.1 Mbit/s) for classic Bluetooth 1 Mbit/s (0.27 Mbit/s) for Low Energy
<b>Performance features</b>	
Illumination	2 x LED, warm white
High-performance scanner 1D/2D imager SE4750 HP	For scanning 1D barcodes, 2D barcodes, postcodes, OCR

<b>User environment</b>	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % bis 95 %, kondensierend
Protection class (IEC 60529)	IP 65
Insensitivity to ambient light	0 to 108.000 lux (in direct sunlight)
<b>Programming/service programs</b>	
Programming cable (from PC to scanner via USB)	Available as an option; base station necessary; for the use of ZEBRA Software Tools such as 123Scan Utility to configure hand-held scanners in the safe area on a PC
Programming manual	Permits programming by scanning barcodes. Available at: <a href="http://automation.bartec.de/indexE.htm">http://automation.bartec.de/indexE.htm</a> , <a href="http://www.zebra.com">www.zebra.com</a>
123Scan Utility	Programming of scanner parameters via USB, firmware upgrades, provision of scanned barcode data and printing of reports. Available at: <a href="http://www.zebra.com">www.zebra.com</a> Programming via the universal supply module is not supported. A cradle for non-hazardous areas and a corresponding USB cable are required in non-hazardous areas.
Scanner Management Service (SMS)	Performs remote administration of your ZEBRA scanners and retrieves its inventory data. Available at: <a href="http://www.zebra.com">www.zebra.com</a>
Scope of delivery	BCS 3678 <sup>ex</sup> -NI, Battery, Special tool for lock nut, Quick start guide Also required: (not included with delivery) - Battery charger or base station for charging - Universal supply module or base station +connecting cable for data transmission

**Bestellangaben**

BCS 3678<sup>ex</sup>-NI **B7-A2S4-2HP1**

Technical data subject to change without notice.



The Bluetooth version with extended range is ideal for mobile applications used to collect data from 1D barcodes, 2D barcodes, Digimarc and IUID support in a potentially explosive atmosphere. (Transfer of photos to the host PC is only possible via the base station). With a range of 7.6 cm to 21.4 m, barcodes can now be scanned from any distance. The rugged version offers all highly developed ergonomic and functional features required in industrial applications. For the Bluetooth version there are several possibilities to transfer the data via Bluetooth "Single Point-to-Point" or "Multi Point-to-Point".

**Explosion protection**

Marking ATEX Zone 2/22	II 3G Ex ic op is IIC T4 Gc II 3D Ex ic op is IIIC T135°C Dc IP 64
Certification	EPS 16 ATEX 1 113 X
Marking IECEX Zone 2/22	Ex ic op is IIC T4 Gc Ex ic op is IIIC T135°C Dc IP 64
Certification	IECEX EPS 16.0050X
Marking ETL	Class I, II, III Div. 2 Class I Div. 2 Groups A, B, C and D Class II Div. 2 Groups G, F Class III  Class I Div. 2 Class I Div. 2 Groups A, B, C and D T4
Certification	applied for
Other approvals and certificates, see <a href="http://www.bartec.com">www.bartec.com</a>	

**Technical data**

<b>Physical features</b>	
Dimensions (H x W x D)	185 mm x 76 mm x 142 mm
Weight	436 g
Colour	Industriegrün
Material	Polycarbonate (PC)
User displays	Direct decoding display, LEDs, signal tone, vibration
Battery	Lithium-ion 3.6 V/3150 mAh (11.34 Wh)
Cordless connection to	Bluetooth universal supply module, base station, Bluetooth-enabled device Bluetooth Class 1, Version 4.0 (LE), serial interface (SPP) and HID profile
Radio range (direct visual connection outdoors - laboratory values)	Via Bluetooth universal supply module, base station or Bluetooth-enabled terminal devices Class 1: up to 100.0 m Class 2: up to 10.0 m
Data rate	3 Mbit/s (2.1 Mbit/s) for classic Bluetooth 1 Mbit/s (0.27 Mbit/s) for Low Energy
<b>Performance features</b>	
Illumination	2 x LED, warm white
High-performance scanner 1D/2D imager SE4850-ER	For scanning 1D barcodes, 2D barcodes, postcodes, OCR

<b>User environment</b>	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % bis 95 %, kondensierend
Protection class (IEC 60529)	IP 65
Insensitivity to ambient light	0 to 108.000 lux (in direct sunlight)
<b>Programming/service programs</b>	
Programming cable (from PC to scanner via USB)	Available as an option; base station necessary; for the use of ZEBRA Software Tools such as 123Scan Utility to configure hand-held scanners in the safe area on a PC
Programming manual	Permits programming by scanning barcodes. Available at: <a href="http://automation.bartec.de/indexE.htm">http://automation.bartec.de/indexE.htm</a> , <a href="http://www.zebra.com">www.zebra.com</a>
123Scan Utility	Programming of scanner parameters via USB, firmware upgrades, provision of scanned barcode data and printing of reports. Available at: <a href="http://www.zebra.com">www.zebra.com</a> Programming via the universal supply module is not supported. A cradle for non-hazardous areas and a corresponding USB cable are required in non-hazardous areas.
Scanner Management Service (SMS)	Performs remote administration of your ZEBRA scanners and retrieves its inventory data. Available at: <a href="http://www.zebra.com">www.zebra.com</a>
Scope of delivery	BCS 3678 <sup>ex</sup> -NI, Battery, Special tool for lock nut, Quick start guide Also required: (not included with delivery) - Battery charger or base station for charging - Universal supply module or base station +connecting cable for data transmission

**Bestellangaben**

BCS 3678<sup>ex</sup>-NI **B7-A2S4-2ER1**

Technical data subject to change without notice.





The universal supply module is designed for an intrinsically safe supply (barrier) and contains a safety barrier (evaluation barrier) for data lines in a potentially explosive atmosphere. The data cables can be connected from hazardous areas to non-hazardous systems – for example to PCs or PLC - without any additional barrier/safety barrier. The data interface to be used can be set with a barcode (for older versions by setting a DIP switch). These adjustment possibilities make it easier for an existing old system to subsequently be converted and modified.

**Explosion protection**

Marking ATEX Zone 2/22	II 3G Ex ec [ic] IIC T4 Gc
Certification	II 3D Ex tc [ic] IIIC T80°C Dc IP 64
Certification	EPS 16 ATEX 1 113 X
Marking IECEx Zone 2/22	Ex ec [ic] IIC T4 Gc
Certification	Ex tc [ic] IIIC T80°C Dc IP 64
Certification	IECEx EPS 16.0050X
Other approvals and certificates, see <a href="http://www.bartec.com">www.bartec.com</a>	

**Technical data**

Physical features	
Dimensions (H x W x D)	81 mm x 222 mm x 88 mm
Weight	380 g
Input voltage	DC 24 V ± 10% / 0.2 A / 5 W AC 100 V - 240 V ± 10% / 50/60 Hz / 0.1 A / 6 W
Colour	black
Material	Thermoplastic
Supported interfaces	Universal supply module to the PC/host max. cable length USB* 5 m RS232 15 m RS422 1000 m RS485 1200 m * USB only works as SPP (Serial Port Profile), HID (Human Interface Device) is not supported.
Data transmission	Unidirectional Data can be sent from the scanner to another system via the Universal supply module. Note: Bidirectional data transmission is not supported.
Connection to hand-held scanner	One hand-held scanner can be connected to the universal supply module.
Connecting cable (Universal supply module to PC/host)	Not available in scope of delivery! Please use commercially available shielded data cables to avoid external interference. Recommendation: CAT5, similar or better
Connection cable (Universal supply module to hand-held scanner)	Not available in scope of delivery! Cables in different lengths and designs can be ordered separately.

User environment	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % to 95 %, condensing
Protection class (IEC 60529)	IP 65
Insensitivity to ambient light	0 to 108,000 lux (in direct sunlight)

**Note when programming using Zebra 123Scan utility:**  
Programming via the universal supply module is not supported.

**Ordering information**

Universal supply module, corded for BCS 3608 <sup>ex</sup> -NI	<b>B7-A2Z0-0042</b>
(Scope of delivery: 1 x universal supply module) Technical data subject to change without notice.	



The universal supply module is designed for an intrinsically safe supply (barrier) and contains a safety barrier (evaluation barrier) for data lines in a potentially explosive atmosphere. The data cables can be connected from hazardous areas to non-hazardous systems – for example to PCs or PLC - without any additional barrier/safety barrier. The data interface to be used can be set with a barcode (for older versions by setting a DIP switch). These adjustment possibilities make it easier for an existing old system to subsequently be converted and modified.

**Explosion protection**

Marking ATEX Zone 2/22	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T80°C Dc IP 64
Certification	EPS 16 ATEX 1 113 X
Marking IECEx Zone 2/22	Ex ec IIC T4 Gc Ex tc IIIC T80°C Dc IP 64
Certification	IECEX EPS 16.0050X
Other approvals and certificates, see <a href="http://www.bartec.com">www.bartec.com</a>	

**Technical data**

Physical features	
Dimensions (H x W x D)	81 mm x 222 mm x 88 mm
Weight	380 g
Input voltage	DC 24 V ± 10% / 0.2 A / 5 W AC 100 V - 240 V ± 10% / 50/60 Hz / 0.1 A / 6 W
Colour	black
Material	Thermoplastic
Supported interfaces	Universal supply module to the PC/host max. cable length USB* 5 m RS232 15 m RS422 1000 m RS485 1200 m * USB only works as SPP (Serial Port Profile), HID (Human Interface Device) is not supported.
Data transmission	Unidirectional Data can be sent from the scanner to another system via the Universal supply module. Note: Bidirectional data transmission is not supported.
Connection to hand-held scanner	One hand-held scanner can be paired to the universal supply module (Point to Point). The digital scanner connects to the universal supply module via Bluetooth. The universal supply module is recognised as a serial connection by the PC/host.
Bluetooth	Bluetooth 4.2 (LE), Class 1 Radio range (direct visual contact outside – laboratory values) with BCS 3678ex Class 1: at least 100.0 m
Connecting cable (Universal supply module to PC/host)	Not available in scope of delivery! Please use commercially available shielded data cables to avoid external interference. Recommendation: CAT5, similar or better

User environment	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % to 95 %, condensing
Protection class (IEC 60529)	IP 65
Insensitivity to ambient light	0 to 108,000 lux (in direct sunlight)

**Note when programming using Zebra 123Scan utility:**

Programming via the universal supply module is not supported.






**Ordering information**

Universal supply module, Bluetooth for BCS 3678ex-NI	<b>B7-A2Z0-0043</b>
(Scope of delivery: 1 x universal supply module) Technical data subject to change without notice.	





**Ordering information**

**Accessories for use in potentially explosive atmospheres**

Illustration	Description	Order no.
	<p><b>Battery</b>                      for hand-held scanner BCS 3678<sup>ex</sup>-NI                      Lithium-ion battery 3.6 V/3150 mAh (11.34 Wh)                      May only be changed outside the potentially explosive atmosphere!</p>	<p><b>B7-A2Z0-0036</b></p>
	<p><b>High quality leather holster</b>                      for hand-held scanner                      - for attachment to a belt or wall                      - Colour: black</p>	<p><b>17-A1Z0-0024</b></p>
	<p><b>Connection cable</b>                      Connection between universal supply module and BCS 3608<sup>ex</sup>-NI handheld scanner                      1.9 m (plain)                      4.5 m (plain)</p>	<p><b>B7-A2Z0-0037</b>  <b>B7-A2Z0-0038</b></p>
	<p>2.7 m (spiral)</p>	<p><b>B7-A2Z0-0039</b></p>
	<p><b>HMI limiting cable</b>                      Connection between HMI and BCS 3608<sup>ex</sup>-NI handheld scanner, with open cable ends                      1.9 m (plain) USB</p>	<p><b>B7-A2Z0-0041</b></p>

## Ordering information

### Accessories for use outside potentially explosive atmospheres

Illustration	Description	Order no.
	<p><b>4-slot battery charger</b> for hand-held scanner BCS 3678<sup>ex</sup>-NI</p> <ul style="list-style-type: none"> <li>- Input voltage: DC 12 V (50 W)</li> <li>- Charging display via LED</li> </ul> <p>Additionally required: (not included in delivery)</p> <ul style="list-style-type: none"> <li>- Power supply with DC connecting cable</li> <li>- AC power cable</li> </ul>	<p><b>G7-A0Z0-0013</b></p>
	<p><b>Base station</b> for hand-held scanner BCS 3678<sup>ex</sup>-NI</p> <ul style="list-style-type: none"> <li>- Input voltage                             <ul style="list-style-type: none"> <li>- at RS232: DC 12 V</li> <li>- at USB: DC 5 V</li> </ul> </li> <li>- Data synchronisation via Bluetooth</li> </ul> <p>Supported interfaces:</p> <ul style="list-style-type: none"> <li>- USB</li> <li>- RS232</li> <li>- Charging the battery inserted in the hand-held scanner</li> <li>- LED charge function and charging indicator</li> <li>- up to 7 scanners can be paired</li> <li>- Dimensions (H x B x T) 229.4 mm x 99.8 mm 82.6 mm</li> <li>- IP 65</li> </ul> <p>Additionally required: (not included in delivery)</p> <ul style="list-style-type: none"> <li>- Power supply with DC connecting cable</li> <li>- AC power cable</li> <li>- Connecting cable</li> </ul> <p>*Connection cable on request.</p>	<p><b>G7-A0Z0-0010</b></p>



Ordering information

Accessories for use outside potentially explosive atmospheres

Illustration	Description	Order no.
	<p><b>Programming cable</b> for programming BCS 3608<sup>ex</sup>-NI via PC, supports connection via USB only 1.9 m (plain)</p>	<b>B7-A2Z0-0046</b>
	<p><b>Power supply</b> with DC connecting cable for 4-slot battery charger - Input voltage: AC 100 V to 240 V - Output voltage: DC 12 V/4, 16 A/50 W</p>	<b>G7-A0Z0-0019</b>
	<p><b>AC power cable</b> - US + Canada - EU + APAC - TAIWAN Other versions on request.</p>	<p><b>G7-A0Z0-0024</b> <b>G7-A0Z0-0026</b> <b>G7-A0Z0-0027</b></p>
	<p><b>Connecting cable</b> for handheld scanner BCS 3678<sup>ex</sup>-NI - Connection between cradle and PC - Cable with terminal for 12 V power supply RS232: 2.0 m (plain) RS232: 4.6 m (plain) RS232: 2.8 m (spiral) USB: 2.0 m (plain)</p>	<p><b>G7-A0Z0-0014</b> <b>G7-A0Z0-0015</b> <b>G7-A0Z0-0016</b> <b>G7-A0Z0-0018</b></p>
	<p><b>Special tool for lock nut</b> for hand-held scanner BCS 3678<sup>ex</sup>-NI - For opening and locking the special lock - 5 pieces</p>	<b>G7-A0Z0-0031</b>

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