Controller

BTC-Tool Controller

BTC-TOOL CONTROLLER

BTC Tool-Controller
HS-Technik GmbH

ENTER

HS-Technik GmbH
High - System - Technik

Premium Power Tools

Premium Power Tools

MADE IN GERMANY

HS-Technik GmbH
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BTC-Tool Controller

Wi-Fi controller for battery tightening and riveting tools

- **Up to 20 HST Wi-Fi tools**
  (TorqBee / RivBee / NutBee)

- **Electronic Torque Wrench**
  (SCS Freedom 4)

- **With 2.4 / 5 GHz Wi-Fi Access Point**
  (811.2 a / b / g / n / ac)

- **Quick system exchange**
  (SD card for system configuration)

- **4 × 20 character OLED-Display for status information**

- **Web interface for programming and visualization via web browser with tablet or panel PC possible**

- **Interfaces**
  - 2 × 10 / 100Mbit Ethernet
  - 2 × USB
  - 1 × audio

- **Connection to the following systems:**
  - OpenProtocol
  - PFCS (FCA)
  - ProfiBus
  - ProfiNet
  - 24 Volt Digital I/O's

- **Accessories**
  - Socket Trays
  - Display Panel
  - Printer

BTC-Tool Controller

BTC-Profibus

BTC-Profinet

Order no.	Input	Temperature range	Weight	Dimensions L × W × H
BTC-O-*	85 - 264 V AC, 47 - 63 Hz	0 - 40 °Celsius	approx. 1.60 kg	180 × 150 × 90 mm

Order no.	Description
BTC-PB-*	ProfiBus interface for BTC-Tool Controller
BTC-PN-*	ProfiNet interface for BTC-Tool Controller
BTC-24-*	24 Volt digital OK interface for BTC-O Tool Controller

BTC-24

*
EU = Schuko plug
US = USA plug
UK = UK plug
AU = Australia plug

Socket trays for BTC-Tool Controller

SNS-HM4-ETH & SNS-HM8-ETH

- 4-bay socket tray with status LED for BTC-Series

- Incl. intelligent socket/bit recognition, checking if correct socket is plugged

- Max. 35 mm Ø socket

- Indication and operator guidance by colored LED

- Inductive sensors that react to all common metals

- Incl. Controller connection cable SNS-ETH-M12 and power supply

- Extension module available, order no. SNS-EXM4-M12

Order no.	Desciption
SNS-HM4-ETH*	4-bay socket tray

Technical data	SNS-HM4-ETH*
Dimensions L × W × H	255 × 110 × 60 mm
Weight	approx. 1.2 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 200mA
Connections	2× M12 A - coded (5 pin, 1×F + 1×M), 1× M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

- 8-bay socket tray with status LED for BTC-Series

- Incl. intelligent socket/bit recognition, checking if correct socket is plugged

- Max. 35 mm Ø socket

- Indication and operator guidance by colored LED

- Inductive sensors that react to all common metals

- Incl. Controller connection cable SNS-ETH-M12 and power supply

- Extension module available, order no. SNS-EXM8-M12

Order no.	Description
SNS-HM8-ETH*	8-bay socket tray

Technical data	SNS-HM8-ETH*
Dimensions L × W × H	255 × 170 × 60 mm
Weight	approx. 2.1 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 200mA
Connections	2× M12 A - coded (5 pin, 1×F + 1×M), 1× M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

* Other designs are also available.

Socket trays

SNS-B8-ETH & SNS-EXM8-M12 & Accessories

SNS-ES-POM

- **8-bay bit selector for use with the controllers of the BTC-Series**

- **Incl. intelligent bit recognition, checking if correct bit is plugged**

- **Exchangeable inserts for max. flexibility**

- **Inductive sensors that react to all common metals**

- **Incl. Controller connection cable SNS-ETH-M12 and power supply**

- **Extension module available**

- **Plastic insert unmachined incl. titel block**

- **Screw and copper foil, material: POM**

- **Cylinder Ø 40 mm, h=29.8 mm**

- **Upper edge 56.5 × 47 × 4 mm**

Order no.	Desciption
SNS-B8-ETH	8-bay bit selector

Technical data	SNS-HM4-ETH*
Dimensions L × W × H	255 × 85 × 50 mm
Weight	approx. 0.75 kg
Operating temperature	-20 ... +50°C
Protection category	IP54
Voltage supply	24V DC, < 250mA
Connections	2× M12 A - coded (5 pin, 1×F + 1×M), 1× M12 D - coded (4 pin, F)
EMV	EN 61000-6-2 and EN 61000-6-4

Accessories suitable for	Order no. (Description)
SNS-HM8-ETH* SNS-HM4-ETH* SNS-EXM8-M12 SNS-B8-ETH	**SNS-ES-POM** (Plastic insert blank)
	SNS-ETH-M12 (Ethernet connection cable M12 – RJ45)
SNS-HM8-ETH* SNS-HM4-ETH* SNS-B8-ETH	**TCB-NETZ-Scalance** (Power adapter 24V DC with M12 plug A-coded)
SNS-HM8-ETH* SNS-HM4-ETH*	**SNS-EXM-M12** (Extension module connection cable)
SNS-HM8-ETH*	**SNS-EXM8-M12** (8-bay extension module)
SNS-HM4-ETH*	**SNS-EXM4-M12** (4-bay extension module)

Operating modes

Tool guide

The controller specifies the program, the tool attachment to be used is displayed on the socket/bit selector via LED. Approval is only given to the tool when the correct tool attachment is removed.

Bitmode

When a tool attachment is removed, the associated program is started by the controller. The worker can therefore decide for himself which process step to process.

More functions

The individual socket/bit slots can be parameterized via software, which prevents the tool attachments from being mixed up.

Further details and accessories on request

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