

ITEM 091638 HBA-091638

Description	Technical data	Accessories	Downloads
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Features

- › Handwheel 100 pulses, mechanical detent mechanism
- › 1 enabling switch, 3-stage, 2 NO contacts each
- › Tamper-proof EMERGENCY STOP device according to EN 13850, dual-channel
- › 1 selector switch with 8 positions (X, Y, Z, 1, 2, 3, 4, 5)
- › 1 selector switch with 5 positions (0, 1, 10, 100, 1000)
- › 2 membrane pushbuttons, 1 NO contact each

Approvals



Mechanical values and environment

Material	Polycarbonate
Weight	
	Net 1,3 kg

Ambient temperature	0 ... 50 °C
Atmospheric humidity (condensation not permissible)	max.80 % rH
Degree of protection	
IEC529	IP65 [1]
Acc. to Nema	250-12 [2]
Resilience to vibration	
Vibrations (3 axes)	DIN/IEC 68-2-6
Shock (3 axes)	DIN/IEC 68-2-27
Connection	Plug connector [3]
Cable length	
coiled	3,5 m [4]
Detent positions per revolution	
Handwheel	100 [5]

Electrical connection ratings

Operating voltage DC	
Handwheel	5 V DC -5% ... 5%
Utilization category according to EN 60947-5-1	
DC-13	30V DC / 1A
Switching voltage	
Enabling switch	max.AC/DC 42 V
Selector switch	max.15 V
Membrane keypad	max.AC 25 V
Membrane keypad	max.DC 42 V
Switching current	
Enabling switch	max.100 mA
Selector switch	max.20 mA
Membrane keypad	max.100 mA [6]
EMC protection requirements	
Acc. to CE	EN 61000-6-2, EN 61000-6-4
Type of output	
Handwheel	G05
Connecting cable	6x0.34mm ² + 17x0.14mm ² [7]
Pulses per revolution	
Handwheel	2x100
Breaking capacity (VA)	
Enabling switch	max.0,25 VA
Selector switch	max.0,2 VA
Membrane keypad	max.1 VA [8]

Controls and indicators

Control/indicator	1
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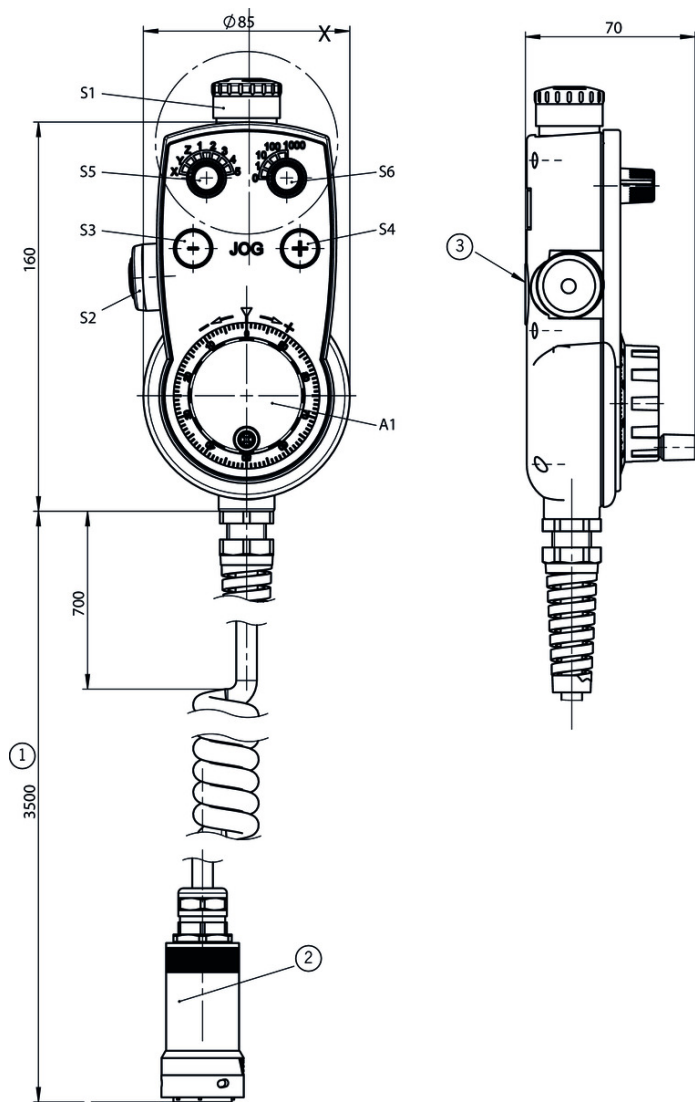
Version	Emergency stop
Switching element	2 positively driven contacts
Special features	-
Color	Red-yellow
Item	See data sheets
Control/indicator	1
Version	Enabling switches, 3-stage
Switching element	2 NO contacts
Special features	-
Color	Black
Item	See data sheets
Control/indicator	1
Version	Selector switch
Switching element	5-stage, Gray coded, detent angle 22.5°
Special features	-
Color	Black knob with marking
Item	See data sheets
Control/indicator	1
Version	Handwheel
Switching element	-
Special features	-
Color	Black plastic adjusting wheel
Item	See data sheets
Control/indicator	2
Version	Membrane key
Switching element	1 NO contact each
Special features	Labeled
Color	-
Item	See data sheets
Control/indicator	1
Version	Selector switch
Switching element	8-stage, Gray coded, detent angle 22.5°
Special features	-
Color	Black knob with marking
Item	See data sheets

Miscellaneous

Color	Housing	Gray RAL 7040
For the approval according to UL the following applies		Operation only with UL class 2 power supply, or equivalent measures

- [1, 2] On the front
- [3] 23-pin, metal version
- [4] Extended
- [5] Mechanical detent mechanism
- [6, 8] Common connection
- [7] Screened

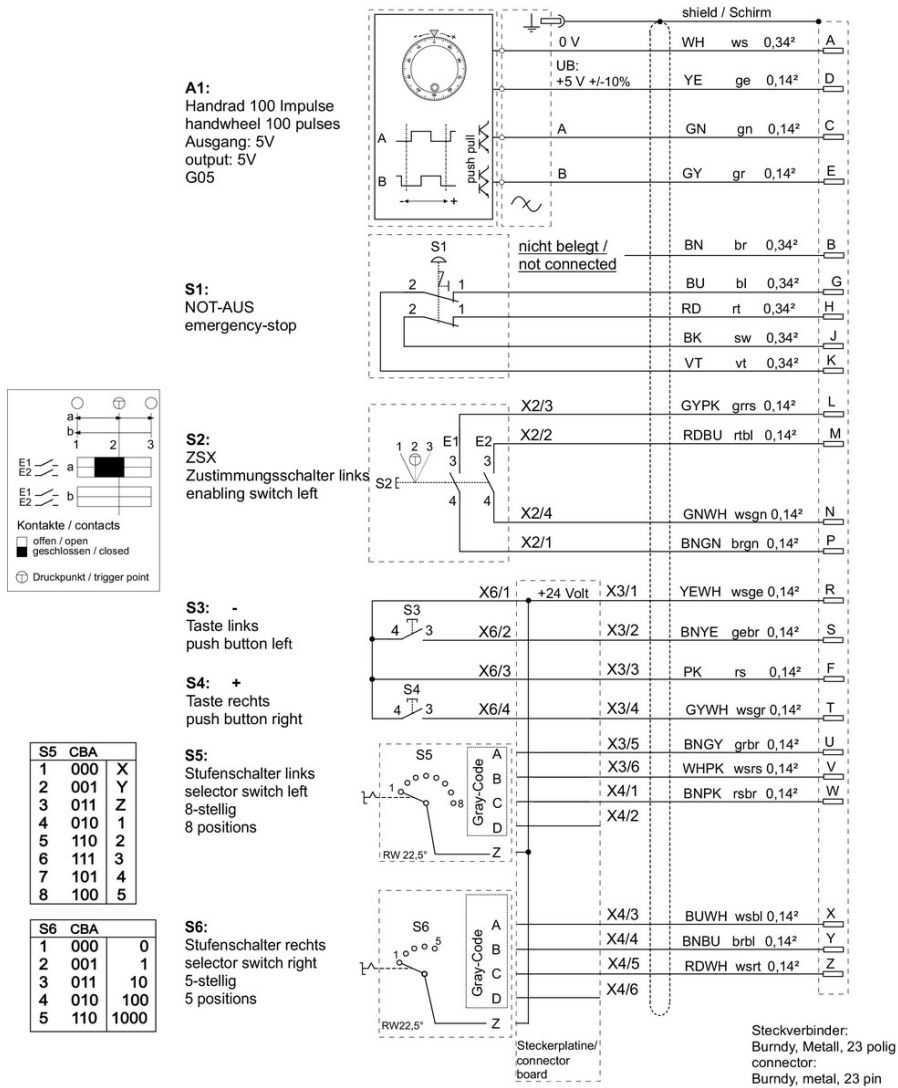
Dimension drawing



Legende

- 1 Cable length stretched
- 2 Plug connector 23-pin made of metal
- 3 Mounting magnet

Wiring diagram



Mounting accessories

Holder for HBA



109979 HALTER HBA-109979

Features

- › Plastic holder
- › Black
- › Handwheel can be operated in the holder



072935 HALTER HBA M

Features

- › Plastic holder
- › gray
- › Handwheel can be operated in the holder



100221 HALTER HBA-100221

Features

- › Plastic holder

› Black



072828 HALTER HBA072828

▾ Features

- › Plastic holder
- › gray

Function expansion

▾ Flange connector, 23-pin

074384 23POL/METALLAUSFUEHRUNG-074384

▾ 23-pin short-circuit plug

083457 23POL/METALLAUSFUEHRUNG-083457

▾ Extension cable 23-core, straight



091466 23POL/5M/METALLAUSFUEHRUNG-091466

▾ Features

- › Extension cable
- › Flange plug connector with socket contacts, 23-pin
- › Plug connector with male contacts, 23-pin
- › Bayonet plug lock
- › PUR cable
- › Cable length 5 m, straight



091467 23POL/10M/METALLAUSFUEHRUNG






▾ Features

- › Extension cable
- › Flange plug connector with socket contacts, 23-pin
- › Plug connector with male contacts, 23-pin
- › Bayonet plug lock
- › PUR cable
- › Cable length 10 m, straight

Instructions

▾ Betriebsanleitung Elektronisches HBA-Handrad mit mechanischer Rastung

Doc. no. **Version** **Language** **Download**







Betriebsanleitung Elektronisches HBA-Handrad mit mechanischer Rastung Mode d'emploi de la manivelle électronique pour pupitre portable HBA avec crantage mécanique Istruzioni di impiego volante elettronico per HBA con autoritenuta meccanica Operating instructions for electronic HBA handwheel with mechanical detent	091058	03-12/07	   	 0.4 MB
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 **Návod k použití ručních ovladačů HBA**







	Doc. no.	Version	Language	Download
Betriebsanleitung Handbediengeräte HBA Mode d'emploi des pupitres portables HBA Istruzioni di impiego dispositivi di comando manuale HBA Operating instructions for hand-held pendant stations HBA	2072850	07-03/18	   	 0.8 MB
Manual de instrucciones de las botoneras HBA	2072850	07-03/18		 0.2 MB
Návod k použití ručních ovladačů HBA	2072850	07-03/18		 0.3 MB
Инструкция по эксплуатации ручных устройств управления HBA	2072850	07-03/18		 0.4 MB

Declaration of conformity

 **EU-Konformitätserklärung**

	Doc. no.	Version	Language	Download
EU-Konformitätserklärung Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity	2109732	05-08/16	    	 0.2 MB

 **EU-Konformitätserklärung**

	Doc. no.	Version	Language	Download
EU-Konformitätserklärung EU declaration of conformity Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità	2105755	08-03/17	    	 0.2 MB