

## ITEM 072725 HBSL072725

Description	Technical data	Accessories	Downloads
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### Features

- › Handwheel 100 pulses
- › Tamper-proof EMERGENCY STOP device according to EN 13850, dual-channel
- › 2 pushbuttons 2-stage, e.g. for enabling function
- › Keypad with 12 illuminated keys
- › Keypad can be designed as required using slide-in film
- › 2 selector switches
- › High resolution LCD display (text mode)
- › RS422 interface, 3964R protocol

### Notes

- › ActiveX modules available for integrating the user's application (for MS Windows®-based user programs with ActiveX support)

### Approvals

## Mechanical values and environment

Material	Polyamide
Weight	
Net	2,5 kg
Ambient temperature	0 ... 55 °C
Atmospheric humidity	
Condensation not permissible	max.80 % rH
Degree of protection	
IEC529	IP65 <sup>[1]</sup>
acc. to NEMA 250	250-12 <sup>[2]</sup>
Resilience to vibration	
Vibrations (3 axes)	DIN/IEC 68-2-6
Shock (3 axes)	DIN/IEC 68-2-27
Connection	Plug connector <sup>[3]</sup>
Cable length	
straight	3,5 m
Detent positions per revolution	
Handwheel	100

## Electrical connection ratings

Operating voltage DC	
Handwheel	5 V DC -5% ... 5%
	24 V DC -20% ... 20%
Current consumption	150 mA <sup>[4]</sup>
Utilization category according to EN 60947-5-2	
DC-13	
Switching voltage	
Enabling switch	DC 5 ... DC 230 V
Switching current	
Enabling switch	max.3000 mA <sup>[5]</sup>
Type of output	
Handwheel	RS422
Connecting cable	4X0.34mm <sup>2</sup> +4X0.34mm <sup>2</sup> +15X0.14mm <sup>2</sup> <sup>[6]</sup>
Pulses per revolution	
Handwheel	2x100

## Interface, bus

Data interface	RS422
Data protocol	3964R, 8 data bits, even parity

Data rate	max.19,2 kbit/s 9,6 kbit/s [7]
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## Controls and indicators

Control/indicator	
Version	Emergency stop
Switching element	2 positively driven contacts
Special features	-
Color	Red-yellow
Item	See data sheets
Control/indicator	2
Version	Enabling switch ZSG
Switching element	2 NO contacts each
Special features	-
Color	-
Item	See data sheets
Control/indicator	
Version	Handwheel
Switching element	-
Special features	-
Color	Gray dial
Item	See data sheets
Control/indicator	12 [8]
Version	Buttons
Switching element	-
Special features	Illuminated
Color	-
Item	See data sheets
Control/indicator	2 [9]
Version	Selector switch
Switching element	12-stage,
Special features	-
Color	Black knob with arrow disk
Item	See data sheets
Control/indicator	1 [10]
Version	Display
Switching element	-
Special features	With background lighting
Color	-
Item	-

## Miscellaneous

Additional feature	
Replaceable slide-in strips	
Color	

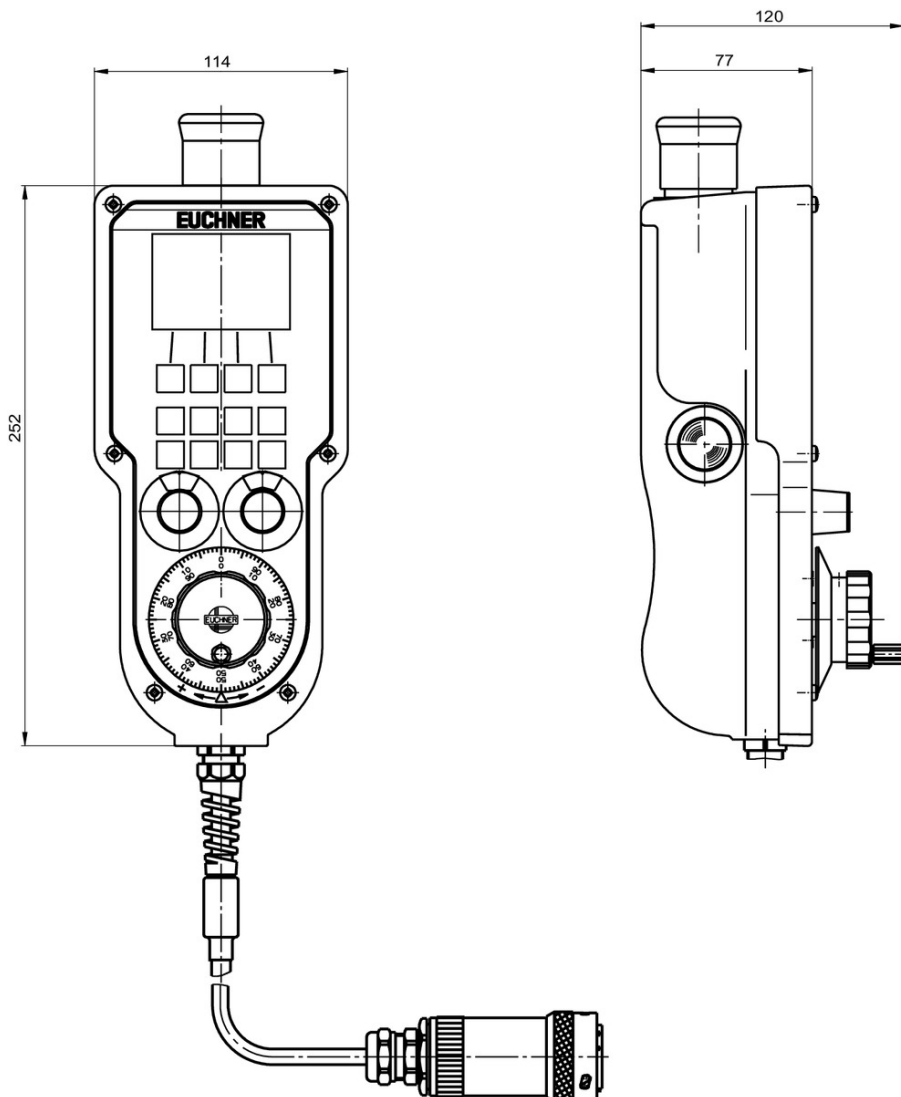
Housing Blue-gray RAL 7031

For the approval according to UL the following applies

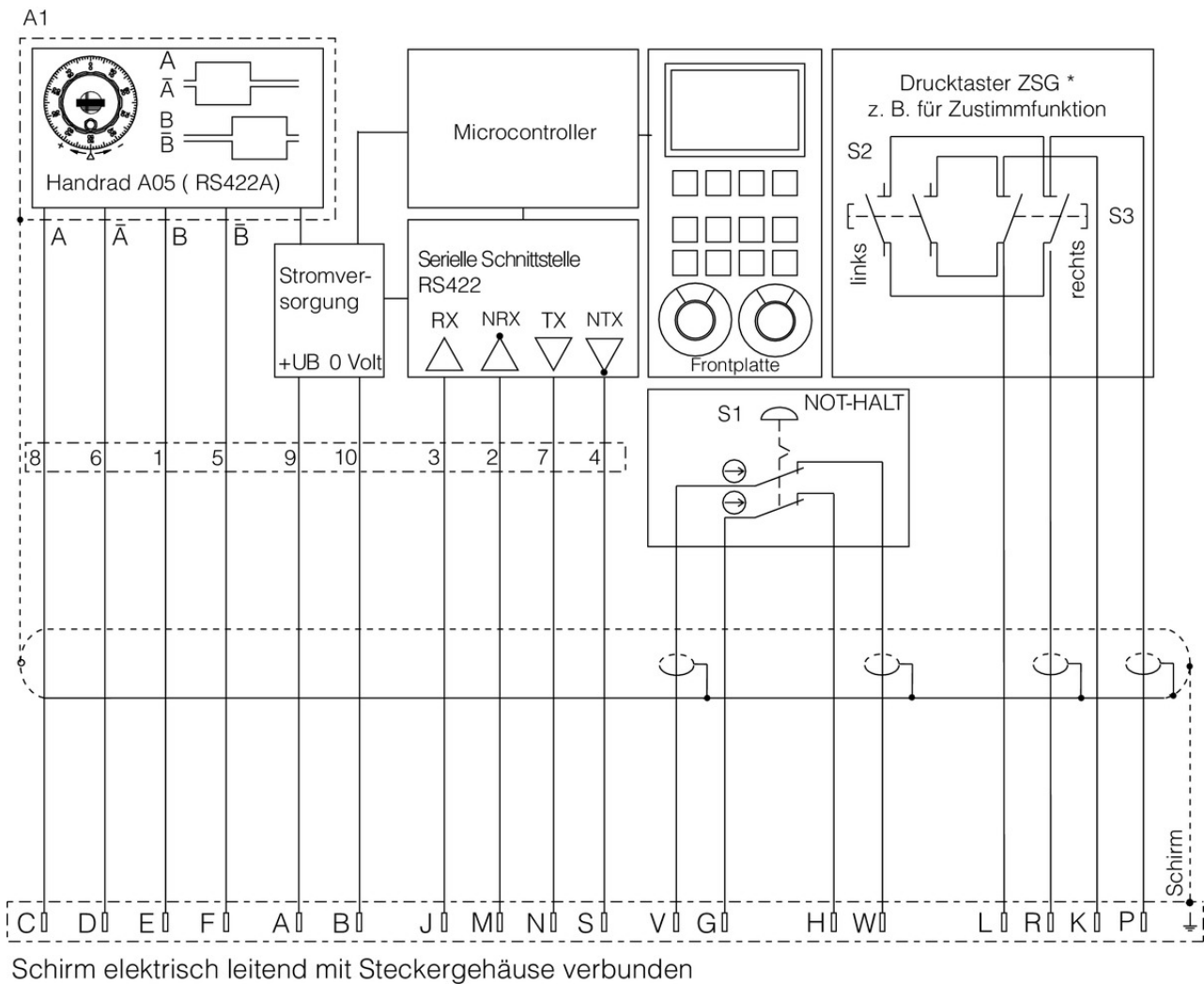
Operation only with UL class 2 power supply, or equivalent measures

- [1, 2] On the front
- [3] 23-pin, metal version
- [4] Without LEDs switched on
- [5] On DC-13
- [6] To some extent individual screening
- [7] Can be selected via DIP switches
- [8, 9] Change is transferred via the protocol
- [10] Control via the protocol

### Dimension drawing



## Circuit plan



## Mounting accessories

- Holder for HBL



### **084397** HALTER HBL

- Features

- › Housing made of plastic
- › Ambient temperature -5 to +60 C

## Function expansion

- 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 Handrad HKD

	Doc. no.	Version	Language	Download
Betriebsanleitung Elektronisches Handrad HKD Mode d'emploi de la manivelle électronique HKD Istruzioni di impiego volante elettronico HKD Operating instructions for electronic handwheel HKD	089116	03-01/14	   	0.5 MB

### ▼ Betriebsanleitung Handbediengeräte HBL5

	Doc. no.	Version	Language	Download
Betriebsanleitung Handbediengeräte HBL5 Mode d'emploi des pupitres portables HBL5 Istruzioni di impiego dispositivi di comando manuale HBL5 Operating instructions for hand-held pendant stations HBL5	072932	04-05/14	   	0.3 MB

### ▼ Handbuch Handbediengerät mit Display HBL5 072725


	Doc. no.	Version	Language	Download
Handbuch Handbediengerät mit Display HBL5 072725 Manual Pendant Station with LCD - Display HBL5 072725	067018	08-01/06	 	0.4 MB






## Catalogs

### ▼ Handbediengeräte/Handräder Hand-Held Pendant Stations/Handwheels Pupitres portables/Manivelles

	Doc. no.	Version	Language	Download
Handbediengeräte/Handräder	098619	08-09/17		3.0 MB
Pupitres portables/Manivelles	111529	08-09/17		3.0 MB
Hand-Held Pendant Stations/Handwheels	099443	08-09/17		3.0 MB

## Declaration of conformity

 EU-Konformitätserklärung

	<b>Doc. no.</b>	<b>Version</b>	<b>Language</b>	<b>Download</b>
EU-Konformitätserklärung	2109735	04-03/17		 0.2 MB
Declaración UE de conformidad				
Déclaration UE de conformité				
Dichiarazione di conformità				
EU declaration of conformity			