

ITEM 097339 HBL-097339 ALT: 072598

Description	Technical data	Accessories	Downloads
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Features

- › Handwheel 100 pulses
- › Tamper-proof EMERGENCY STOP device according to EN 13850, dual-channel
- › Enabling switches 3-stage
- › 3 illuminated pushbuttons, can be individually labeled
- › 2 selector switches
- › Key-operated rotary switch

Approvals



Mechanical values and environment

Material	Polyamide
Weight	Net 2,2 kg

Ambient temperature	0 ... 55 °C
Atmospheric humidity	
Condensation not permissible	max.80 % rH
Degree of protection	
IEC529	IP65 ^[1]
acc. to NEMA 250	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	
straight	3,5 m
Detent positions per revolution	
Handwheel	100

Electrical connection ratings

Operating voltage DC	
Handwheel	5 V DC -5% ... 5%
Utilization category according to EN 60947-5-2	
DC-13	
Switching voltage	
Enabling switch	DC 5 ... DC 230 V
Key	max.AC/DC 250 V
Key-operated switch	max.AC/DC 42 V
Selector switch 1ofX	max.DC 60 V
Selector switch hex	max.DC 60 V
Switching current	
Enabling switch	max.3000 mA ^[4]
Key	max.5000 mA
Key-operated switch	max.AC/DC 250 mA
Selector switch 1ofX	max.0,25 mA
Selector switch hex	max.0,25 mA
EMC protection requirements	
Acc. to CE	EN 61000-6-2, EN 61000-6-4
Type of output	
Handwheel	RS422
Connecting cable	35x0.14mm ² ^[5]
Pulses per revolution	
Handwheel	2x100
Breaking capacity (VA)	
Selector switch 1ofX	max.6 VA
Selector switch hex	max.6 VA
Power supply LED	-10% ... 24 V DC +10% V DC ^[6]

Controls and indicators

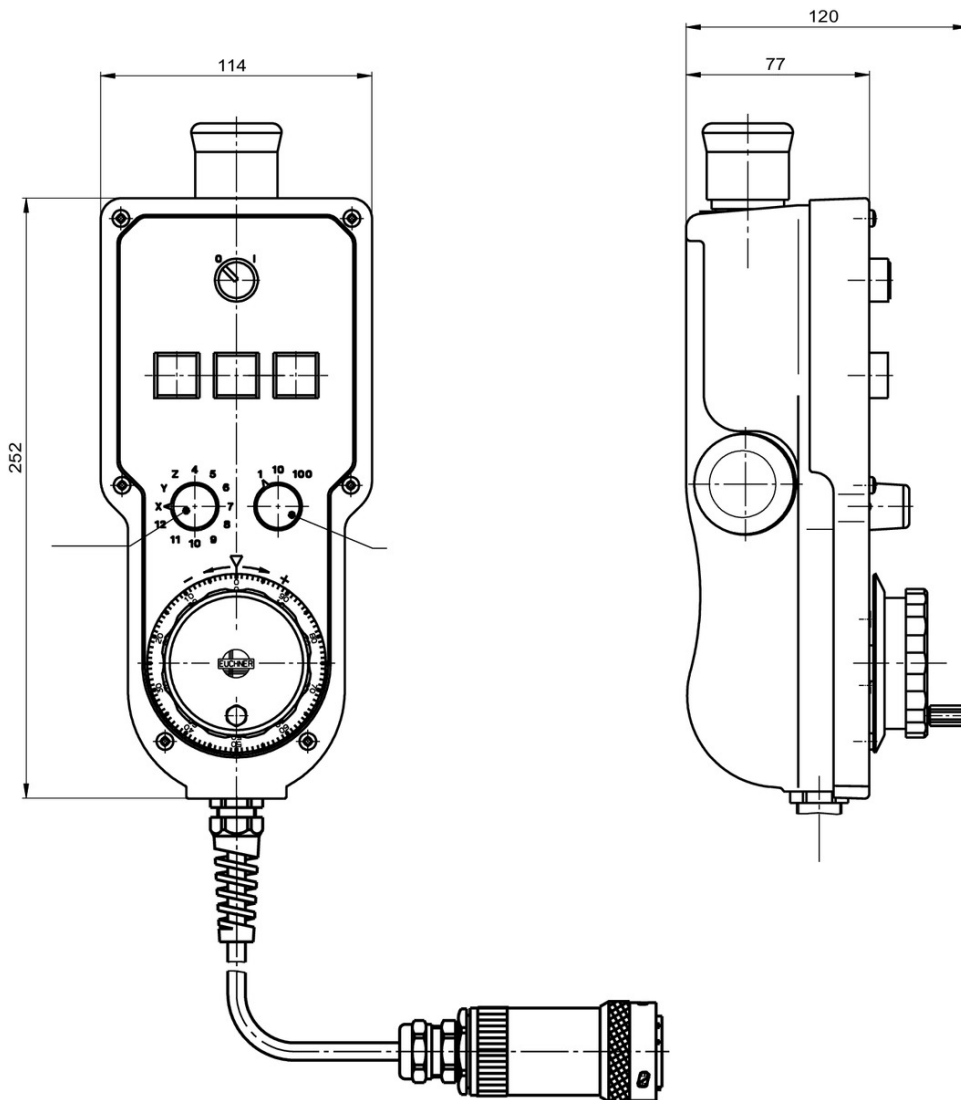
Control/indicator	1
Version	Emergency stop
Switching element	2 positively driven contacts
Special features	-
Color	Red-yellow
Item	See data sheets
Control/indicator	1
Version	Enabling switches, 3-stage
Switching element	2 NO contacts + 1 NC contact
Special features	-
Color	-
Item	See data sheets
Control/indicator	1
Version	Key-operated switch
Switching element	1 NO contact + 1 NC contact
Special features	Removal position at 0
Color	-
Item	See data sheets
Control/indicator	1
Version	Selector switch
Switching element	12-stage, hex-coded, detent angle 30°
Special features	-
Color	Black knob with arrow disk
Item	See data sheets
Control/indicator	1
Version	Selector switch
Switching element	3-stage, 1 from 3, detent angle 30°
Special features	-
Color	Black knob with arrow disk
Item	See data sheets
Control/indicator	3
Version	Key
Switching element	1 NO contact each
Special features	With white LED, can be labeled
Color	-
Item	See data sheets
Control/indicator	1
Version	Handwheel
Switching element	-
Special features	-
Color	-
Item	See data sheets

Miscellaneous

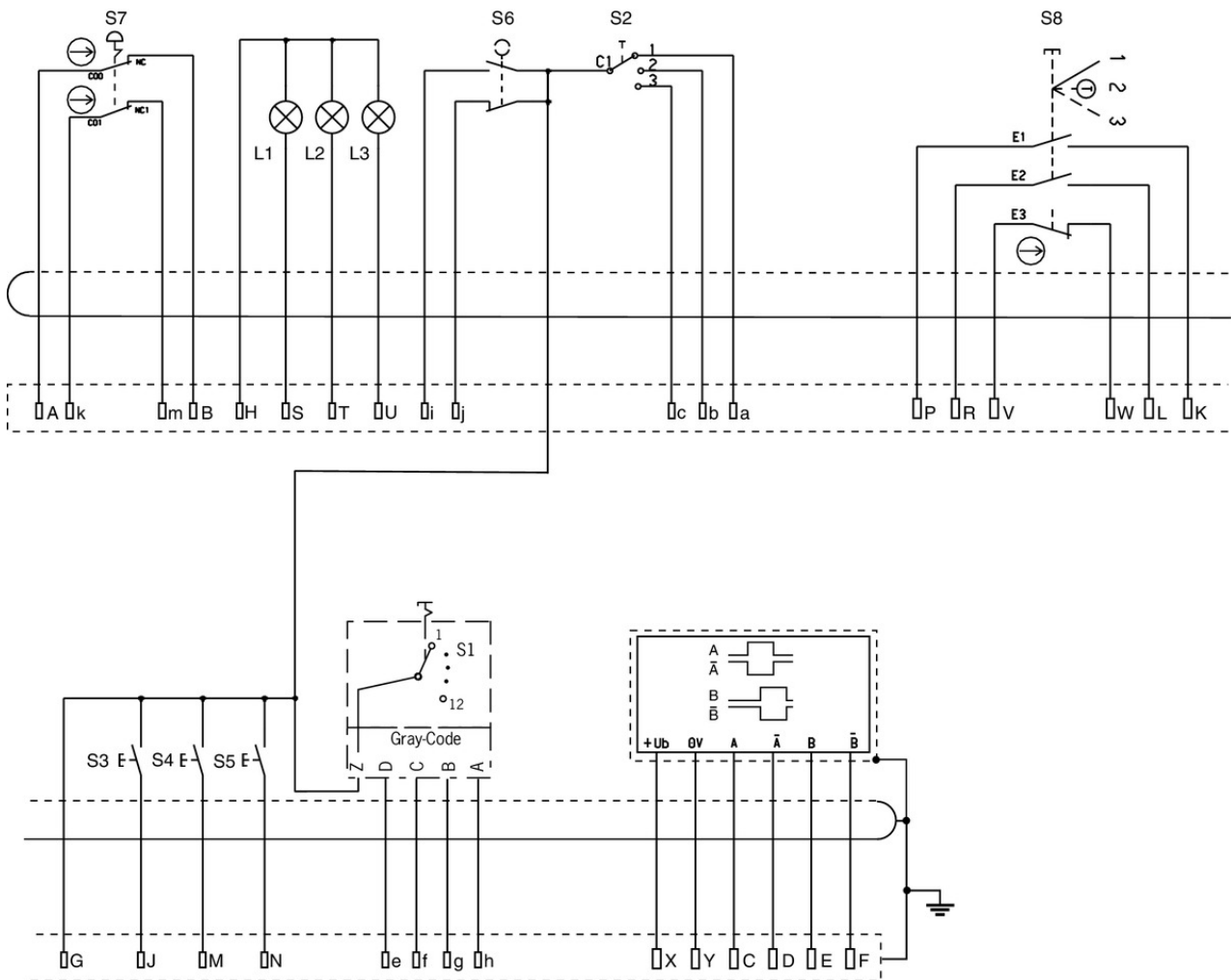
Color	Housing	Blue-gray RAL 7031
For the approval according to UL the following applies		Operation only with UL class 2 power supply, or equivalent measures

- [1, 2] On the front
- [3] 35-pin, metal version
- [4] On DC-13
- [5] Screened
- [6] AC/DC

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 35-core, straight



092657 35POL/15M/METALLAUSFUEHRUNG

Features

- › Extension cable
- › Flange plug connector with socket contacts, 35-pin
- › Plug connector with male contacts, 35-pin
- › Bayonet plug lock
- › PUR cable
- › Cable length 15 m, straight

Connection material

▼ Connection cable for hand-held pendant stations HBA/HBM, straight



115535 VERLAENGERUNGSLEITUNG 10M/35POL/MET

▼ Features

- › Flange plug connector with socket contacts, 35-pin
- › Plug connector with male contacts, 35-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	089116	03-01/14		0.5 MB
Mode d'emploi de la manivelle électronique HKD				
Istruzioni di impiego volante elettronico HKD				
Operating instructions for electronic handwheel HKD				

▼ Betriebsanleitung Handbediengeräte HBE und HBL

	Doc. no.	Version	Language	Download
Betriebsanleitung Handbediengeräte HBE und HBL	091055	02-02/06		0.3 MB
Mode d'emploi des pupitres portables HBE et HBL				
Istruzioni di impiego dispositivi di comando manuale HBE e HBL				
Operating instructions for hand-held pendant stations HBE and HBL				

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

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

CAD data

CAD data for this item on TraceParts