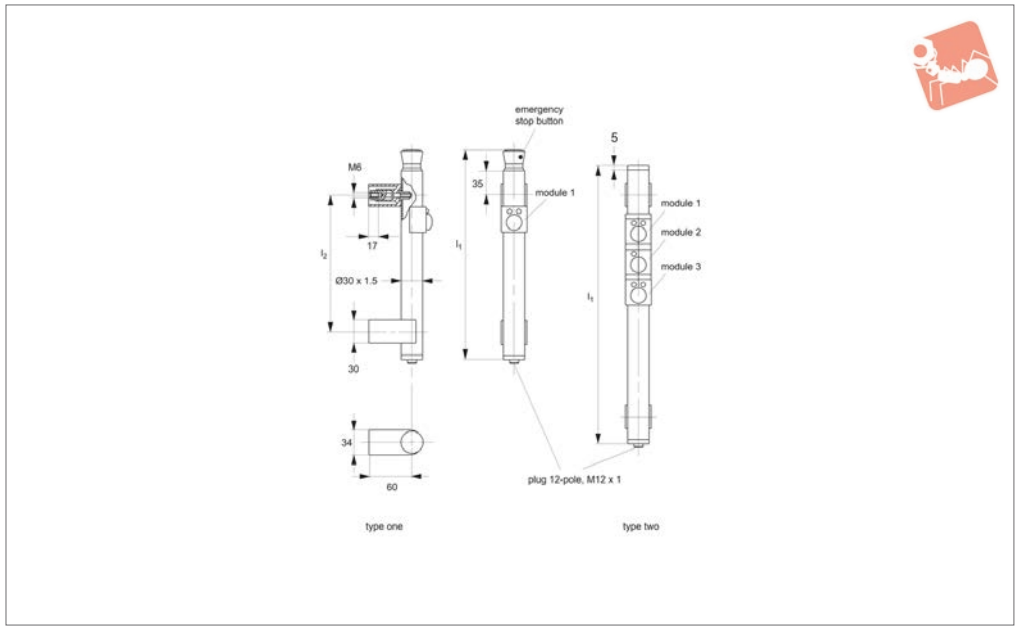


B8320

Material

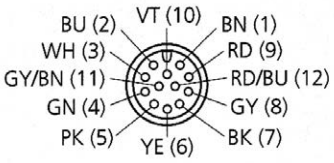
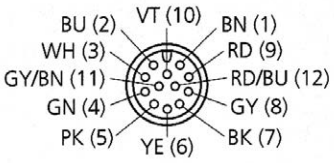
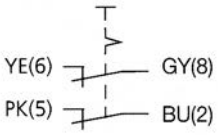
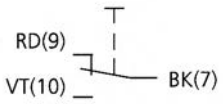
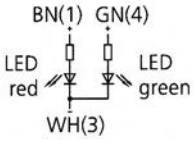
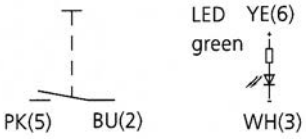
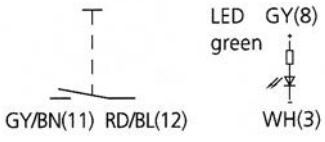
Type one: Handle shank: extruded aluminium, AlMgSi 0,5, black anodized with matte gloss finish.
Handle tube: Ø30x1,5mm of aluminium AlMgSi 0,5, black anodised with matte gloss finish or from stainless steel 1.4301, precision ground.
Tube ends: reinforced polyamide PA 6, black.
Switch functions: 1 push button, 1 emergency stop button.
Type two: Handle shank: extruded aluminium, AlMgSi 0,5, black anodized with matte gloss finish.
Handle tube: Ø30x1,5mm of aluminium AlMgSi 0,5, black anodised with matte gloss finish or from stainless steel 1.4301, precision ground.
Tube ends: reinforced polyamide PA 6, black.
Switch Functions: 3 push buttons/ modules.

Technical Notes

When used with connection cable no. B8880, conforms to IP65 rating.
Use with door solenoid lock no. B8900 for full electronic locking of machine guards and panels.

Order No.	Lock type	Coupling Type	Material	l_1	l_2
B8320.AC0304	Type One	12-pole (M12x1)	Aluminium	416	300
B8320.AC0337	Type One	12-pole (M12x1)	Stainless	416	300
B8320.AC0404	Type Two	12-pole (M12x1)	Aluminium	484	400
B8320.AC0437	Type Two	12-pole (M12x1)	Stainless	484	400

B8320 Functional Handle - Electronic

	B8320 Functional handle – electronic	
Wixroyd part no.	**B8320.AC0304 & .AC0337**	**B8320.AC0404 & .AC0437**
Description	2 push buttons	2 push buttons, 1 emergency stop button
Switching voltage	24V DC max. 30V AC/36V DC max. 1.5A	24V DC max. 30V AC/36V DC max. 1.5A
Operating voltage LED	24V DC +/-15%	24V DC +/-15%
Connection type	12 pole, M12 x 1	12 pole, M12 x 1
Connector assignment (plug side view)		
Emergency stop buttons		N/A
Push button 1 – Module 1		
Push button 2 – Module 2	N/A	
Push button 3 – Module 3	N/A	
Module inscription	N/A	All three modules

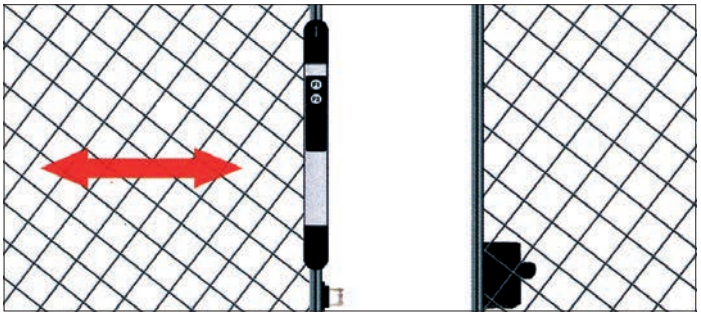
ov-WB8320-A-T-functional-handles-electronic-Inh- Updated -26-10-2022

Wixroyd's functional handles **B8100 - B8900** provide the ideal combination of ergonomics, productivity and safety for machine guards, enclosures or wherever there is a machine/operator interface.

Wixroyd functional handles incorporate switching, control and monitoring functions exactly at the point they are required - namely the enclosure handle. Functional handles are mounted on the moveable part of the door/enclosure, while the additional solenoid interlock, part no. **B8900**, which enables locking and monitoring of the door condition, is mounted on the static part of the door/enclosure. All models in the series have been designed on the same basic principles and can incorporate the following functions:

- **Simple operation;** all buttons and controls on the handles are simply activated with the thumb allowing for control and opening of the guard in just one movement.
- **Deactivation of the dead lock;** each handle has a button to deactivate and unlock the dead lock, two LED's indicate whether the door is locked or unlocked.
- **Safety;** machine start and stop buttons can optionally be integrated into the handle, as well as a machine emergency stop button.
- **Modular design;** handle **B8320** has been designed on a modular basis allowing for individual programming of handle functions for your own application
- **Electromechanical locking;** in combination with our solenoid interlocking devices **B8900** our functional handles provide an electromechanical locking system for both revolving and push doors.

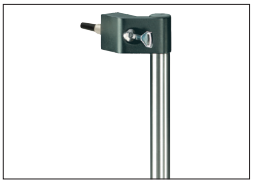
Basic non-functional handles available in same design to act as counter-handles.



Features

Programmable
Robust functional handles with separately programmable elements to suit any application.

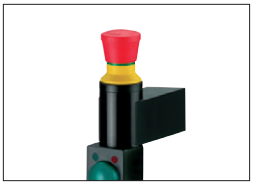
Functional
Functional handle with inbuilt emergency stop with 2 NC and 1 NO contacts for PLC systems.



Ergonomic
Simple and ergonomic mechanically locking handles, with electrical monitoring function; for use on cabinets and enclosures.

Inter-locking
Solenoid interlocks can be used to bolt doors or enclosures mechanically, with switching contacts enabling the monitoring of the lock/enclosure status.

Release button
Activating the release button deactivates the dead lock and opens the safety door. Two LED's above the release button indicate to the operator whether the door is locked or unlocked.



Emergency stop
Optional emergency stop button allows the operator to bring the entire machine to a stand still. The machine can then be resumed by re-setting the handle via a twist of the button. Conforms to EN418.

Start button
Machine start buttons can be included in the handle to initiate the machine.

Positioning
The start button can be positioned either above the door release button or when no emergency stop button is used, can be positioned on the top of the handle.