E-BOX XL

EXTRA SLIM HOUSING CONCEPT
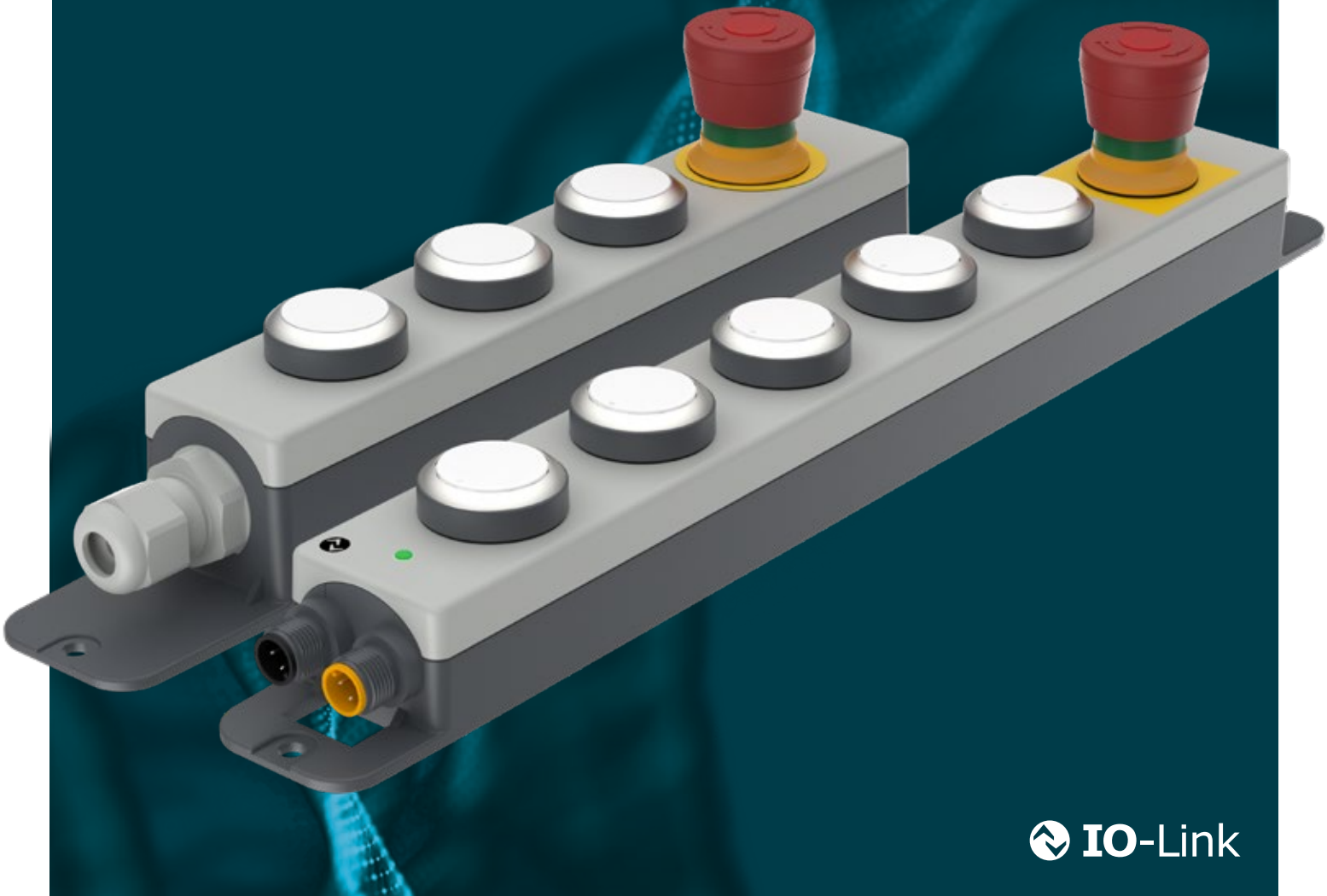
IO-Link

RAFI

E-BOX XL

FOR THE EXTRA OPERATING FUNCTIONS

RAFI has created something big with the new E-BOX XL. A housing concept with up to 6 operating elements is now available to match the proven E-BOX in terms of appearance and function. A distinction is made between the E-BOX XL MODULAR and the E-BOX XL IO-LINK.

With the E-BOX XL MODULAR, the individual actuators can be combined individually - mounting and wiring is done manually. With the E-BOX XL IO-LINK, pre-configured variants can be ordered, which are simply connected to the master port via Plug&Play.

ADVANTAGES

Different housing lengths for 3 to 6 actuators

Slim housing design, matching the 40 mm aluminium profile

Simple screw mounting for any installation position

Advantage of the IO-Link variant: Only 1 port on the master is required for up to 6 illuminated pushbuttons

IO-Link parameterisation (RGB lighting, monitoring of switching cycles, sound modes)

Optional M12 input / output for connecting additional sensors and actuators (GPIO)

KEY FACTS

Operation temperature: -25 °C to +70 °C

Protection class according to DIN EN 60529: IP 65

Certificates: CE, UL

Pushbuttons can be labelled as required (FLEXLAB)

4 cm

21 cm

30 cm
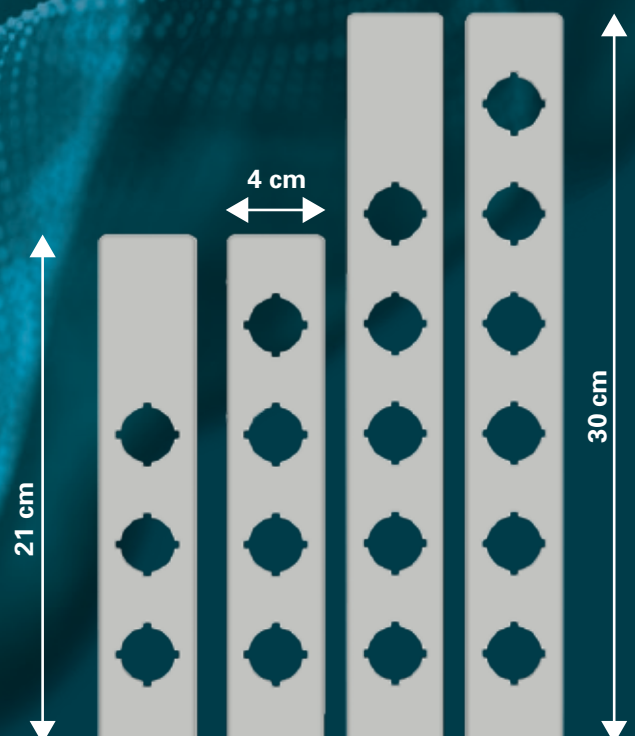
E-BOX XL MODULAR

BUILD YOUR OWN BOX

- Individually configurable and combinable
- Use of RAFIX 22 FS+ actuating elements and RAFIX QC switching elements for any installation point
- Manual cabling with cable screw connection (Ø 7-13mm clamping range)
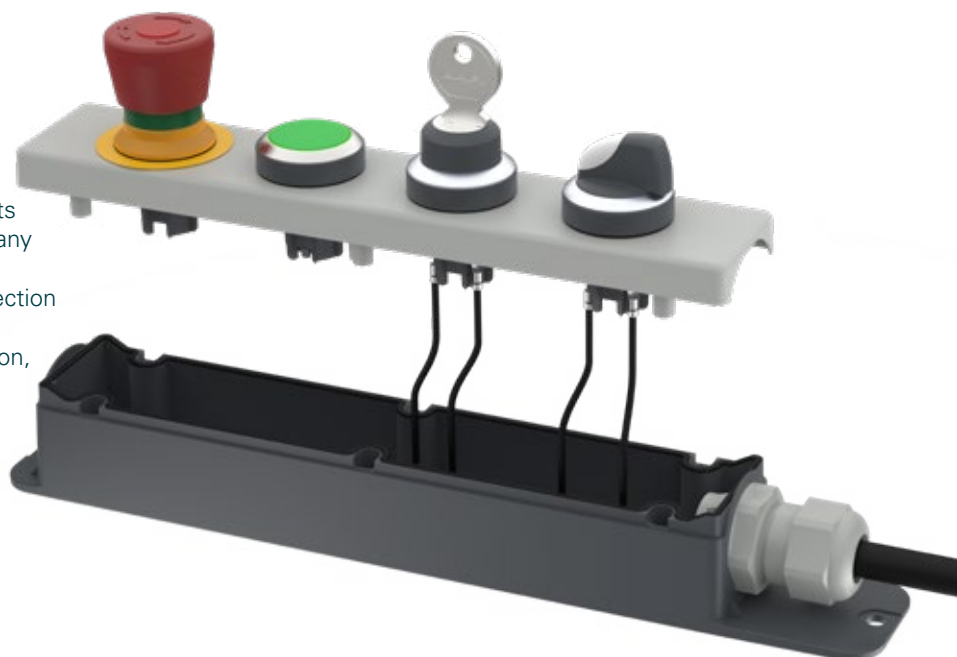- Scope of delivery: Lower housing section, upper housing section, cable gland and emergency stop adhesive label
- Actuators, switching elements, LED clips and flat connector sleeves must be purchased separately

E-BOX XL IO-LINK

WE CONNECT HUMANS WITH IO-LINK

- 1x M12 for IO-Link (black)
  1x M12 for emergency stop safety function (yellow)
- Predefined, ready-made standard variants
- Optional: 1x M12 socket for connecting additional sensors & actuators to M12 master port (GPIO)

IO-LINK PORT

- Version 1.1.3
- Connection to IO-Link master (COM 2)
- M12 4-pin, A-coded
- Parameter data (lighting, flashing, night mode, volume and sound modes)
- Diagnostic data (temperature, monitoring of switching cycles)

E-STOP PORT

- Connection to PLC / safety controller M12 5-pin, A-coded according to AIDA
- Normally closed contacts potential-free
- Normally open contact is transmitted via IO-Link

M12 SOCKET FOR INPUT / OUTPUT SIGNALS (GPIO)

- Integration of RAFI products such as RAMO, E-BOX, TILTED DIAMOND and various other sensors and actuators possible (SIO mode)
- M12 4-pin, A-coded
- Digital in / Digital out 24 V / 0 V switchable, max. 200 mA per digital output

VARIANTS

E-BOX XL MODULAR

Article number	Variant
1.20.810.530/0000	Housing, 3 installation points 22.3 mm, M20 cable screw connection
1.20.810.540/0000	Housing, 4 installation points 22.3 mm, M20 cable screw connection
1.20.810.550/0000	Housing, 5 installation points 22.3 mm, M20 cable screw connection
1.20.810.560/0000	Housing, 6 installation points 22.3 mm, M20 cable screw connection

E-BOX XL IO-LINK

3 ACTUATORS

Article number	Variant
1.24.300.001/0000	3 Illuminated pushbutton 1NO LED RGB
1.24.310.001/0000	3 Illuminated pushbutton 1NO LED RGB / GPIO
1.24.303.001/0000	2 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC
1.24.313.001/0000	2 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC / GPIO

4 ACTUATORS

Article number	Variant
1.24.400.001/0000	4 Illuminated pushbutton 1NO LED RGB
1.24.410.001/0000	4 Illuminated pushbutton 1NO LED RGB / GPIO
1.24.403.001/0000	3 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC
1.24.413.001/0000	3 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC / GPIO

5 ACTUATORS

Article number	Variant
1.24.500.001/0000	5 Illuminated pushbutton 1NO LED RGB
1.24.510.001/0000	5 Illuminated pushbutton 1NO LED RGB / GPIO
1.24.503.001/0000	4 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC
1.24.513.001/0000	4 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC / GPIO

6 ACTUATORS

Article number	Variant
1.24.600.001/0000	6 Illuminated pushbutton 1NO LED RGB
1.24.610.001/0000	6 Illuminated pushbutton 1NO LED RGB / GPIO
1.24.603.001/0000	5 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC
1.24.613.001/0000	5 Illuminated pushbutton 1NO LED RGB / 1 e-stop 2NC / GPIO
1.24.613.002/0000	3 Illuminated pushbutton 1NO LED RGB / 1 selector switch 2x60° latching 2NO / 1 buzzer / 1 e-stop 2NC / GPIO

Technical data and further information on
all products can be found at:
ecatalog.rafi-group.com

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