

Introduction

Backed by the experience and knowledge acquired in over 25 years of activity in the automation world, Pizzato Elettrica confirms its capacity of proposing, even in new sectors, innovative solutions which succeed in combining an extremely practical and flexible operation with an accurately detailed linear design. The new EL AN series lift control stations by Pizzato Elettrica incorporate these latest features, and they use articles from the EROUND line as control and signalling devices.

The EL AN series lift control stations have been designed to pilot the movement of lifts during control and maintenance operations.

Modularity

The control stations have been designed with the precise objective to make them as user-friendly as possible for maintenance operators, as well as to provide the widest and most versatile choice in the combination of applicable devices.

These diverse options are made possible tanks to the innovative construction of the enclosures cover (registered patent) which allows free arrangement of the perforated holes and shapes for housing various devices; such insert elements make up the whole cover, just one solid piece produced by means of a single moulding process.



Wide range

The range of EL AN series control stations includes 4 dimensions and several configurations.

The outlines and details of the new EL AN series control stations have been accurately designed, which contributes to an attractive aesthetic result.

Cam switch and selector:



In control station EL AN series can be installed rotary cam switches EH series as an alternative to the E2 series switches.

The cam switch is matched with a wide ergonomic actuation knob, available in versions with two and three stay-put positions; it can also be configured with contact diagrams according to customer requirements up to a maximum number of 8 contacts.

The covers dedicated to house the cam switches provide a suitable slot with protection guard.

Equipped with gasket below the knob provides an IP65 protection degree.



Tread-safe

EL AN series control stations can bear any impact and stress thanks to their specific design and resistant materials, fitted for heavy-duty application.



Electrical socket

The inside of the electrical socket is protected against the risk of accidental contact by means of a special removable cover.

A separator (applicable in different positions) is available, to be used to separate those parts of the control stations having different voltage

The electrical socket is always fitted to the top of the control station and not to the side, so as to make its use more convenient and its position more readily identifiable.

Available in different types, it perfectly adapts to the standards in force in the country where the lift is installed.



Magnetic bases



All control stations EL AN series can be supplied with a magnetic base applied to the bottom of the box; in this way it will be possible to anchor the control stations to metal walls and surfaces in a removable manner without needing to drill.

Adhesive magnetic bases can be applied at a later time.

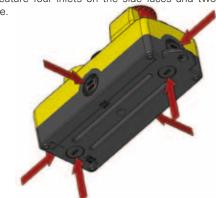
Sturdiness

The devices are guaranteed protection against knocks and treading both by the use of sturdy guards for particularly bulky auxiliary control devices, such as the emergency pushbutton or the selector, makes the product suitable for especially heavy-duty installation areas.



Cable entries

The control station EL AN base features numerous possible knockout entries for the passage of cables, in order to ensure easy wiring. The control stations feature four inlets on the side faces and two inlets on the lower face.



LASER marking



Pizzato Elettrica has introduced a new LASER marking system for control stations EL AC series.

Thanks to this system, which excludes the use of pad printing or labels, product marking is indelible and durable.

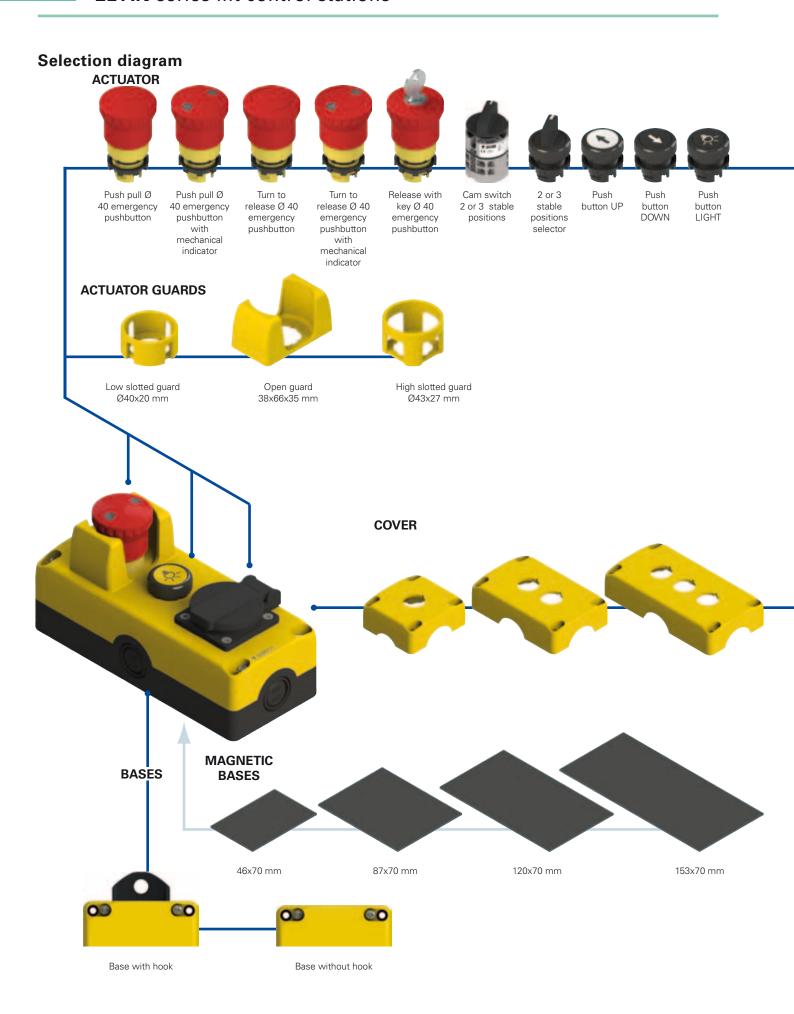
LASER markings for control

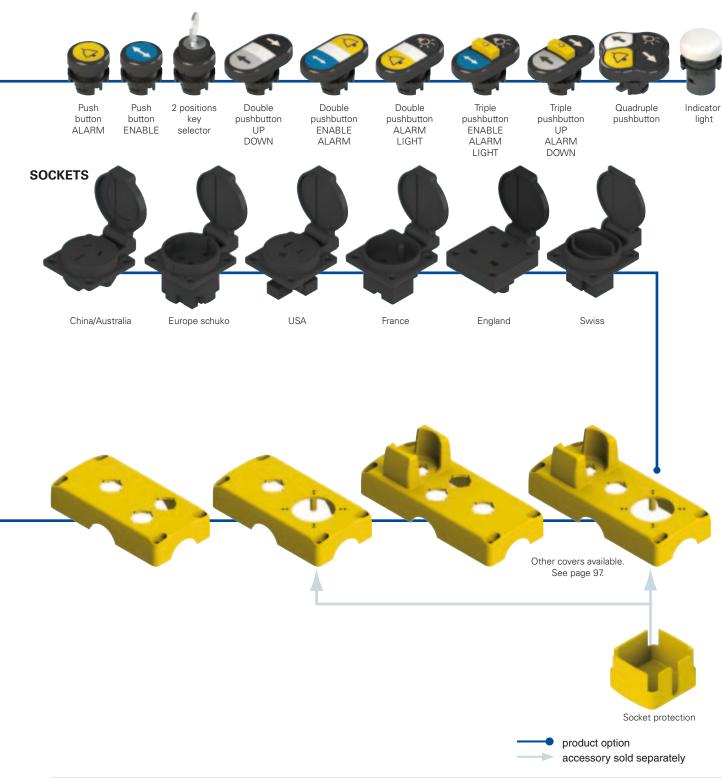
stations EL AC series are now enriched with pictograms and symbols according to new standard 81-20; control stations can also be customized with indications, symbols and customer logos.

Electrical panel hanging hook



On request, the EL AN series control stations can be equipped with a special hook to hang the control stations directly on a wall or onto the electrical panel.

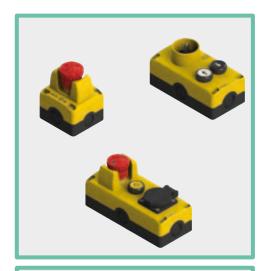




Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.

Box shape		Coi	Configuration progressive number				
1	72x80h56 mm	000	configuration 000				
2	120x80h56 mm	001	configuration 001				
3	153x80h56 mm						
4	186x80h56 mm						



Main data

- Different configurations available
- Protection degree IP54 or IP65 or IP67
- Actuator guards
- Internal and external fixing
- Customized sockets
- Retained screws

Markings and quality marks (enclosures):

2013010305631156 Approval CCC

Markings and quality marks (contact blocks):







Approval IMQ: CA02.04805 Approval UL: E131787 Approval CCC: 2013010305631156 Approval EAC: RU C-IT ДМ94.B.01024

Technical data

Housing

Made of shock-proof, self-extinguishing polymer with double insulation , UV resistant.

1 element box:

2 lateral knock out conduit entries M20 - M25 - PG 13.5 - 1/2 NPT

2 lateral knock out conduit entries M20 - PG 13.5 - 1/2 NPT

2 bottom knock out conduit entries M16 - PG 11

2 or more elements boxes:

4 lateral knock out conduit entries M20 - M25 - PG 13.5 - 1/2 NPT

2 bottom knock out conduit entries M20 - PG 13.5 - 1/2 NPT Base colour: Black RAL 9005 Cover colour: Yellow RAL 1023

Screws materials: Galvanized steel, stainless steel on request

Protection degree: IP54 according to EN 60529

> IP65 (on request on some articles) according to EN 60529 IP67 (on request on some articles) according to EN 60529 with cable gland having equal or higher protection

degree

General data

-25°C ... +80°C Ambient temperature: Cover screws driving torque: 1 ... 1.4 Nm

In conformity with standards:

IEC 60947-5-1, EN 60947-5-1, EN 60947-1, IEC 60204-1, EN 60204-1, EN ISO 14119, IEC 60529, EN 60529, EN 81-20, EN 81-50, UL 508, CSA 22.2 No.14

⚠ Installation for safety applications:

Use only switches marked with the symbol \odot . The safety circuit must always be connected with the NC contacts (normally closed contacts: 1-2) as stated in the standard EN 81-20 par. 5.11.2.2.1.

In conformity with requirements requested by:

Low Voltage Directive 2006/95/EC, Machinery Directive 2006/42/EC and EMC Directive 2014/30/EC.

Positive contact opening in conformity with standards:

IEC 60947-5-1, EN 60947-5-1.

Electrical data

Thermal current (lth): Rated insulation voltage (Ui): Protection against short circuits: Rated impulse withstand voltage (U_{imp}): Pollution degree:

10 A 500 Vac/dc fuse 10 A 500 V type gG/gL 8 kV

Alternate current: AC15 (50÷60 Hz) Ue (V) 24 48 120 250 le (A) 6 6 6 6

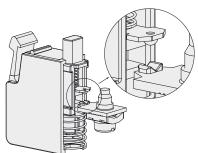
400

3

Utilization categories

Direct current: DC13 250 Ue (V) 24 48 125 le (A) 2.5 1.3 0.3 0.6

High reliability self-cleaning contacts



"V shape" self-cleaning contacts with quadruple contact points.

This shape, thanks to its quadruple support, allows to reduce the probability of contact wrong switching. Furthermore it highly improves the contacts reliability in case of dust (registered patent).

Positive opening

NC contact blocks are suitable for safety application, with positive opening contacts according to IEC 60947-5-1.

Characteristics approved by UL

Utilization categories:

A600 pilot duty (720 VA, 120 ... 600 Vac) Q300 pilot duty (69 A, 125 ... 250 Vdc)

Characteristics approved by IMQ

Rated insulation voltage (Ui): 500 V Conventional free air thermal current (Ith): 10 A Thermal current in enclosure (Ithe): 10 A Rated impulse withstand voltage (Uimp):8 kV Protection degree of the housing: IP20

Terminals: screw terminals Utilization category: AC15

Operating voltage (Ue): 400 Vac (50/60 Hz)

Operating current (le): 3 A Forms of the contact element: X, Y Positive opening of contacts on contact blocks 01G, 01K

In conformity with standards: EN 60947-1, EN 60947-5-1 + A1:2009, fundamental requirements of the Low Voltage Directive 2006/95/EC.

- Use 60° or 75 °C copper (Cu) conductor, rigid or flexible, wire size AWG 12-20
 - Terminal tightening torque of 7.1 Lb In (0.8 Nm).

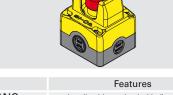




Description		Features	Wiring layout	
Emergency pushbutton Ø 40 - 1NC E2 1PEPZ4531	push-pull, 40 mm diameter, red colour			
Open guard VE GP22F5A	open rectangular, yellow colour			Ø3√-} [†]
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ↔		

EL AN21223





Description		Features	Wiring layout		
Emergency pushbutton Ø 40 - 1NC		n mechanical inc ameter, red colo			
Open guard VE GP22F5A	open re	ctangular, yellov	0 ∃√-		
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ↔			

EL AN21224





Description		Features	Wiring layout	
Emergency pushbutton Ø 40 - 1NC E2 1PERZ4531	turn to re	elease, 40 mm o red colour		
Open guard VE GP22F5A	open re	ctangular, yellov	Φ.Ε-√-}	
Contacts 1x E2 CP01G2V1	pos 2 pos 3 pos 1 / 1NC ⊕ /			

EL AN21257





Description		Features	Wiring layout
Emergency pushbutton Ø 40 - 1NC E2 1PERF4531		se, with mechan m diameter, red	1
Open guard VE GP22F5A	open re	ctangular, yellov	O-F-\/-
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ↔	





Description		Features	Wiring layout	
Illuminated mushroom pushbutton Ø36 LIGHT - 1NO E2 1PL2F541L16	36 mm diamet	er, spring-return	1.1	
LED holders E2 LP1A2V1	White	e LED, 12 30 \	E√ ♦∃	
Contacts 1x E2 CP10G2V1	pos 2	pos 3 LED	pos 1 1NO	1 1





Description		Features	Wiring layout
Mushroom pushbutton Ø 36 ALARM - 1NO E2 1PU2F541L14	(>		
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	4-7



EL AN21222



Description		Features	Wiring layout
Mushroom pushbutton Ø 36 LIGHT - 1NO E2 1PU2F141L16	36 mm diame	ter, spring-return	(1-)
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	4-7



EL AN21258



Description		Features	Wiring	layout	
Short handle selector - 1NC E2 1SE12AVA31AF	2 stay-	out positions, red	ON	þ	
Ø 43 guard VE GP22B5A	43 mm	diameter, yellov		,	
Contacts 1x E2 CP01G2V1	pos 2	pos 3 1NC ⊖	pos 1	STOP	\



EL AN21255

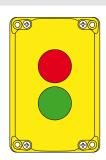


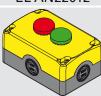
Description		Features	Wiring	g layout	
Short handle selector - 2NO E2 1SE13GCE11AB		pring return - sta eturn, black colo	▶ ∢	}	
Ø 43 guard VE GP22B5A	43 mm	diameter, yellov	0	1 1	
Contacts 2x E2 CP10G2V1	pos 2 1NO	pos 3	pos 1 1NO	4 ►	\ \





Description	Features			Wiring layout				
Quadruple pushbuttons - 4NO E2 1PQFA1QAAQ	flush, spring- return white colour	flush, spring- return black colour	flush, spring- return black colour	flush, spring- return yellow colour	E\	E\	E\	E\
Contacts 4x E2 CP10G2V1	pos 2 1NO	pos 3 1NO	pos 4 1NO	pos 1 1NO		1		-





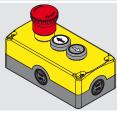
Description	Features	Wiring layout
Monolithic indicator light Ø 30 E6 11L1A3110	30 mm diameter, red colour red, 12 30 Vac/dc	——— LED
Monolithic indicator light Ø 30 E6 1IL1A4110	30 mm diameter, green colour green, 12 30 Vac/dc	——— LED



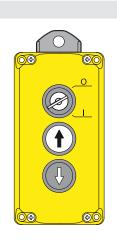


Description		Features	Wiring layout	
Emergency pushbutton Ø 40 - 1NC		se, with mechan n diameter, red	مد ل	
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ↔	pos 1 /	
Pushbutton ALARM - 1NO E2 1PU2R521L32	flush, sp	oring-return, blac	F-7	
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	pos 1 /	E



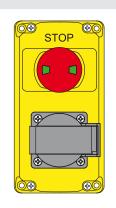


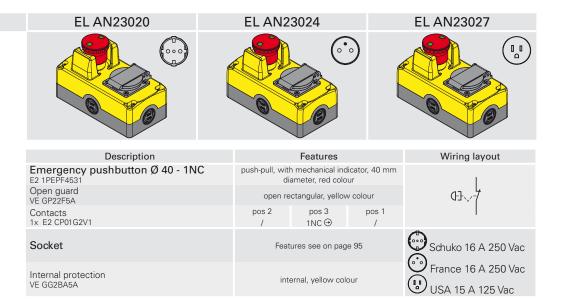
Description		Features	Wiring layout	
Emergency pushbutton Ø 40 - 1NC E2 1PERZ4531	turn to r	elease, 40 mm d red colour	0-F-x-7	
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ↔	pos 1 /	V3-\/-
Pushbutton UP - 1NO E2 1PU2R221L9	flush, sp	oring-return, whit	F- -\	
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	pos 1 /	E
Pushbutton DOWN - 1NO E2 1PU2R121L10	flush, s	oring-return, blac	F \	
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	pos 1 /	F





Description		Features	Wiring	layout	
Key selector - 1NO E2 1SC2AVA11AA		stay-put positior y withdrawal po black colour	0	1	
Contacts 1x E2 CP10G2V1	pos 2	pos 3 1NO	pos 1	1	þ
Pushbutton UP - 1NO E2 1PU2R221L9	flush, sp	ring-return, whit	F\		
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	pos 1 /	L	
Pushbutton DOWN - 1NO E2 1PU2R121L10	flush, sp	oring-return, blac	E=:	_	
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	pos 1 /	L	

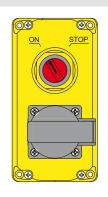








Description	Features				Wiring I	ayout
Short handle selector - 2NC+2NO E2 1SE12AVA11AB	2 stay-put positions, black colour				NORMAL	1177
Contacts	pos 3	pos 2	pos 4	pos 1	INSPECTION	١,١,١ ٠
2x E2 CP01G2V1+2x E2 CP10G2V1	1NC ⊕	1NC ⊕	1NO	1NO		
Pushbutton UP - 1NO E2 1PU2R221L7	flush, spring-return, white colour				E-+	
Contacts 1x E2 CP10G2V1	pos 2	po: 1N		pos 1 /		
Pushbutton DOWN - 1NO E2 1PU2R121L8	flush, spring-return, black colour				E-4	
Contacts 1x E2 CP10G2V1	pos 2	po: 1N		pos 1 /	[

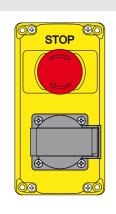








Description		Features	Wiring layout		
Short handle selector - 1NC E2 1SE12AVA31AF	2 stay-	out positions, red	ON	þ	
Ø 43 guard VE GP22B5A	43 mm	diameter, yellov		'	
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ⊕	pos 1 /	STOP	1
Socket	Fea	tures see on pag	Schuko 16 A 250		
Internal protection VE GG2BA5A	int	ernal, yellow col	USA 15 A	A 250 Vac 125 Vac	









Features				
turn to release, 40 mm diameter, red colour				
open rectangular, yellow colour				
pos 2 /	pos 3 1NC ⊕	pos 1 /		
Features see on page 95				
internal, yellow colour				
	open repose 2 / Feat	turn to release, 40 mm ored colour open rectangular, yellov pos 2 pos 3 / 1NC Θ Features see on pag		



Wiring layout

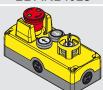






		_				
Description	Features				Wiring	layout
Emergency pushbutton Ø 40 - 1NC E2 1PERZ4531	turn to release, 40 mm diameter, red colour				G-F-> /-7	
Contacts 1x E2 CP01G2V1	pos 2		s 3 C ⊕	pos 1 /	(J-7,	
Pushbutton UP - 2NO E2 1PU2R221L7	flush, spring-return, white colour				_ \	_
Contacts 2x E2 CP10G2V1	pos 2 1NO	ро	s 3 /	pos 1 1NO	[
Pushbutton DOWN - 2NO E2 1PU2R121L8	flush, spring-return, black colour				_	
Contacts 2x E2 CP10G2V1	pos 2 1NO	ро	s 3 /	pos 1 1NO	[
Short handle selector - 2NC+2NO E2 1SE12AVA11AB	2 stay-put positions, black colour			NORMAL	11 74	
Ø 43 guard VE GP22B5A	43 mm diameter, yellow colour					1111
Contacts 2x E2 CP01G2V1+2x E2 CP10G2V1	pos 2 1NC ⊖	pos 4 1NO	pos 3 1NO	pos 1 1NC ↔	INSPECTION	7777





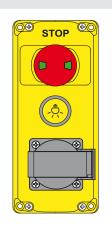
Description		Features	Wiring	layout	
Emergency pushbutton Ø 40 - 1NC E2 1PERF4531		se, with mechani m diameter, red	Q- F -\		
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ⊖	pos 1 /	/ []	<i>'</i> (
Pushbutton UP - 2NO E2 1PU2R221L7	flush, sp	oring-return, whit	г \		
Contacts 2x E2 CP10G2V1	pos 2 1NO	pos 3 /	pos 1 1NO	E\	
Pushbutton DOWN - 2NO E2 1PU2R121L8	flush, s	pring-return, blac	_ ,		
Contacts 2x E2 CP10G2V1	pos 2 1NO	pos 3 /	pos 1 1NO	E\	
Key selector - 1NO E2 1SC2AVA11AA		oositions, "0" key osition, black colo	0	\	
Ø 43 guard VE GP22B5A	43 mm	diameter, yellow		'	
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	pos 1 /		Ż



EL AN24024



Description		Features	Wiring layout	
Emergency pushbutton Ø 40 - 1NC E2 1PERZ4531	40 mr	turn to release, m diameter, red	Q-F/-7	
Contacts 1x E2 CP01G2V1	pos 2	pos 3 1NC ⊖	pos 1	V3-V-7
Pushbutton UP - 1NO E2 1PU2R221L7	flush, sp	ring-return, whi	_	
Contacts 1x E2 CP10G2V1	pos 2	pos 3 1NO	pos 1	E\
Pushbutton DOWN - 1NO E2 1PU2R121L8	flush, sp	oring-return, blac	_	
Contacts 1x E2 CP10G2V1	pos 2	pos 3 1NO	pos 1 /	E
Pushbutton ENABLE - 1NO E2 1PU2R621L174	flush, s	pring-return, blu	E \	
Contacts 1x E2 CP10G2V1	pos 2	pos 3 1NO	pos 1	E\





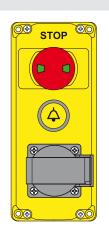




EL AN24033	

16 A 250 Vac 16 A 250 Vac

Description		Features		Wiring layout
Emergency pushbutton Ø 40 - 1NC		with mechanica n diameter, red	4 - T	
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ⊖	pos 1 /	037
Illuminated pushbutton LIGHT - 1NO E2 1PL2R521L41	flush, sp	ring-return, yello	1.1	
LED holders E2 LP1A2V1	white	ELED, 12 30 V	E√ ♦≘	
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 LED	pos 1 1NO	
Socket	Feat	ures see on pag	Schuko 16 A 250 Vac	
Internal protection VE GG2BA5A	inte	ernal, yellow col	France 16 A 250 Vac	

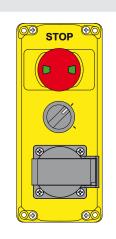








Description		Features		Wiring layout
Emergency pushbutton Ø 40 - 1NC		with mechanical n diameter, red o	43 <i>t</i>	
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ⊕	pos 1 /	4∃√- 7
Pushbutton ALARM - 1NO E2 1PU2R521L32	flush, sp	ring-return, yello	F_\	
Contacts 1x E2 CP10G2V1	pos 2 /	pos 3 1NO	pos 1 /	
Socket	Feat	ures see on page	Schuko 16 A 250 Vac	
Internal protection VE GG2BA5A/	inte	ernal, yellow cold	France 16 A 250 Vac	

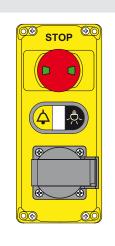








Description	Features			Wiring layout		
Emergency pushbutton Ø 40 - 1NC E2 1PEPF4531		with mechanical m diameter, red	d3 - t			
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ↔	pos 1 /	03--7		
Short handle selector - 1NO+1NC E2 1SE12AVA11AB	2 stay-put positions, black colour				\	
Contacts 1x E2 CP10G2V1+1x E2 CP01G2V1	pos 2 1NO	pos 3	pos 1 1NC ⊖		} \	
Socket	Features see on page 95			Schuko 16 A 250 Vac		
Internal protection VE GG2BA5A	internal, yellow colour			France 16 A 250 Vac		



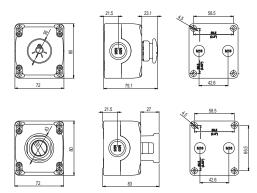


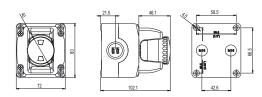




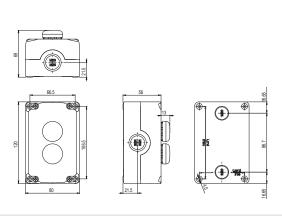
				_			
Description		Features			Wiring layout		
Emergency pushbutton Ø 40 - 1NC E2 1PEPF4531		push-pull, with mechanical indicator, 40 mm diameter, red colour			47 7		
Contacts 1x E2 CP01G2V1	pos 2 /	pos 3 1NC ⊕	pos 1 /	Q3 _~ -/			
Double pushbutton: ALARM - 1NO LIGHT - 1NO E2 1PDRL1AABR	f yellow pushbutton ALARM	lush, spring-retur white indicator light	black pushbutton LIGHT	E	E\		
Contacts 2x E2 CP10G2V1	pos 2 1NO	pos 3	pos 1 1NO				
Socket	Fea	Features see on page 95			Schuko 16 A 250 Vac		
Internal protection VE GG2BA5A	int	internal, yellow colour			France 16 A 250 Vac		

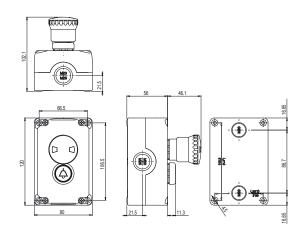
Lift control stations EL AN 21 *** series dimensions



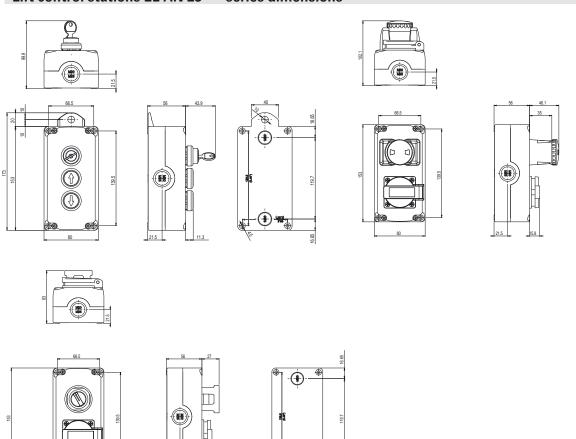


Lift control stations EL AN 22 • • • series dimensions



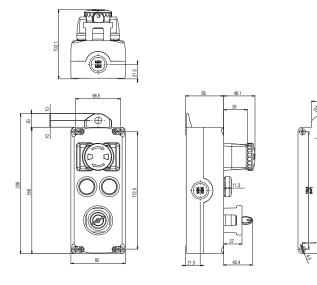


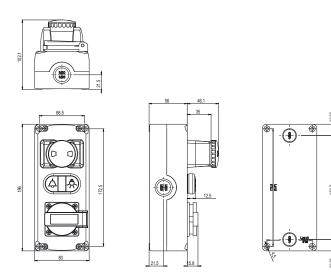
Lift control stations EL AN 23 •• • series dimensions

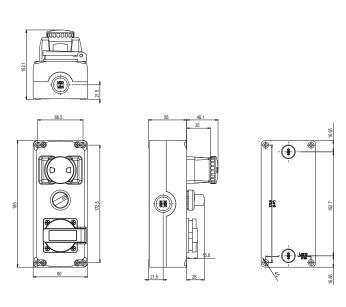


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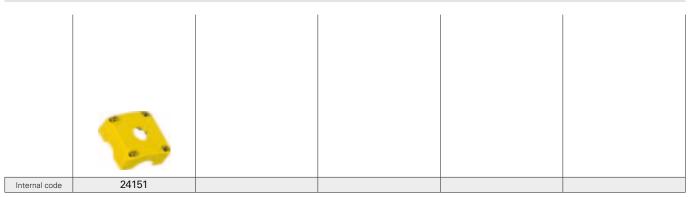
Lift control stations EL AN 24 • • • dimensions







Lift control stations EL AN 21 •• series dimensions



Lift control stations EL AN 22 • • • series dimensions



Lift control stations EL AN 23 • • • series dimensions



Lift control stations EL AN 24 • • • dimensions



Notes

