

PRODUCTION OF CONTROL AND SIGNAL UNITS

ELTEN
d.o.o. DOMŽALE

**CONTROL AND SIGNAL UNITS ARE TESTED IN
SIQ SLOVENIJA AND ARE COMPLIANT
WITH STANDARDS
EN: 6094 7-5-1 :2004 + A1 :2009
ROHS, REACH**



2020



Platinum Creditworthiness



ELTEN d.o.o.

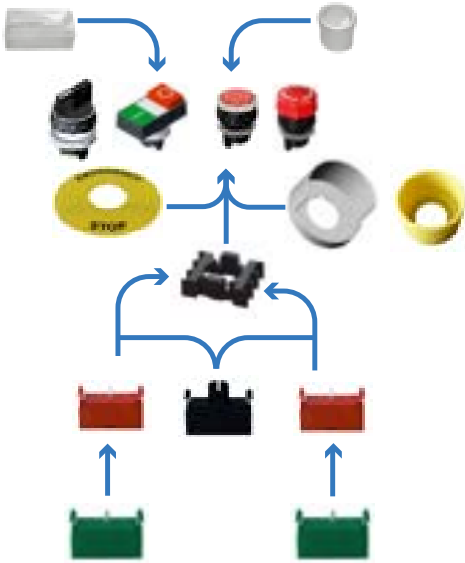
Company ID: 5295629
Bisnode d.o.o. / 15.9.2020



Push-Buttons and selector switches



Assembly



Main features

Standards compliance	6094 7-5-1 :2004 + A 1 :2009 ROHS, REACH		
Temperature rating	Operation	from -20° to +55°	
	Stockage	from -40° to +70°	
Protection degree	EPD, EPDR, EPDF	IP40	
	ER, ERR, ERL, EF, EFL, EFB, EFBC, EFC, EFBA, EFBL, ES, ESL, ESC, EM, EMB (Joystick)	IP65	
	with protection cap	ER, EPD, EPDR, ERL, EF, EFB, EFBL, EFBLC	IP67
Mechanical life	ER, ERL, EF, EFL	3.000.000	
	EFB, EFBL	500.000	
	ES, ESC	100.000	
Rated insulation Ui (contact block)	Ui	V	660
	with two contacts	V	440
	ECD	V	250
Rated thermal current	Ith	A	12

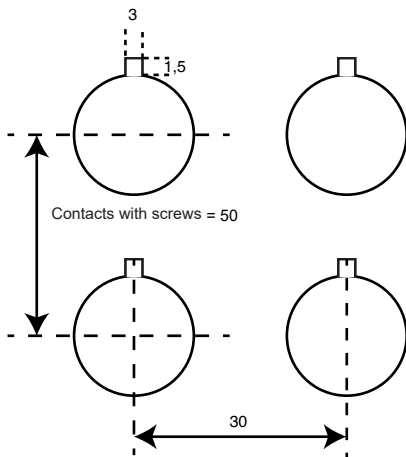
Category AC15

V	12	24	48	110	230	400
A	8	8	8	6,5	4,5	2,6

Category DC13

V	12	24	48	110	230	400
A	18	5	2,5	1,1	0,6	0,15

Assembly holes for fi 22



Dual push-buttons

Dual illuminated (L) or normal push-button		
EPDL/O-I EPD/O-I	Green -Red	
EPDL/O-I/BW EPD/O-I/BW	Black -White	
EPDL/F EPD/F	Black-Black up - down	
EPDL/FO EPD/FO	Black-Black Right - left	
Dual illuminated (L) or normal push-button with 1 extendet button "0"		
EPDRL/O-I EPDR/O-I	Green -Red - extendet	

Flush buttons



Flush button	Extended button	
ER1	ERR1	Black
ER2	ERR2	Red
ER3	ERR3	Green
ER4	ERR4	Yellow
ER5	ERR5	Blue
ER6	ERR6	White

Triple push-button



Triple push-button with extended middle button "0"		
EPD/FS	Black -Red -Black	
EPD/FS2	Black -Red -Black	

Mushroom head buttons / Mushroom-head buttons with turn reset

Mushroom head button Ø 30			Mushroom head button Ø 40			
EF1/30	Black		EF2/30NT	EF1/40		Black
EF2/30	Red			EF2/40		Red
EF3/30	Green		EF3/40	Green		
Mushroom head button Ø 60			EF1/40NT	Black		
EF2/60	Red		EF2/40NT	Red		
			EF3/40NT	Green		
Mushroom-head button with turn reset Ø 30 - turning off with a twist			EFB2/30			
EFB2/30	Red		EFB2/40NT			
Mushroom-head button with turn reset Ø 40 - turning off with a twist			EFB2/40			
EFB2/40	Red		EFB2/40NT			
EFB2/40NT	Red					
Mushroom-head button with turn reset Ø 60 - turning off with a twist			EFB2/60			
EFB2/60	Red					
Mushroom-head button with key reset Ø 40			EFC2/40			
EFC2/40	Red					
Mushroom-head button with lock Ø 40 - switching after interlocking			EFBC2/40			
EFBC2/40	Red					

Selector switches

Short lever		Long lever		Key selector switch	
ES1-CD	ESP1-CD			ESC-CD-V	
ES1-A	ESP1-A			ESC-CD-W	
ES1-E	ESP1-E			ESC-CD-Z	
ES1-CD/R	ESP1-CD/R			ESC-A-U	
ES1-E/RC	ESP1-E/RC			ESC-A-W	
ES1-E/RD	ESP1-E/RD			ESC-A-Y	
ES1-E/RS	ESP1-E/RS			ESC-E-V	
				ESC-E-Y	
				ESC-E-J	
				ESC-E-W	
				ESC-CD/R-V	
				ESC-E/RC-V	



ES - Short lever ESP - Long lever ESC - key



Extra key - beck up for ESC and EFC

Key extraction is possible on the square mark
The arrows indicate that it self-returns to its original position.

Joy stick selector switch

Maintained positions			Maintained positions with lock		
EM1F	EM2F	EM4F	EMB1F	EMB2F	EMB4F
Momentary positions			Momentary positions with lock		
EM1R	EM2R	EM4R	EMB1R	EMB2R	EMB4R
Combined position					
1F					
1R					

Illuminated selector switches, flush buttons, mushroom buttons

Illuminated selector switch		Illuminated flush button		
ESL2-CD		ERL2	Red	
ESL3-CD		ERL3	Green	
ESL6-CD		ERL4	Yellow	
ESL2-A		ERL5	Blue	
ESL3-A		ERL6	White	
ESL6-A				
ESL2-E				
ESL3-E				
ESL6-E				
ESL2-CD/R				
ESL3-CD/R				
ESL6-CD/R				
ESL2-E/RC				
ESL3-E/RC				
ESL6-E/RC				
Illuminated mushroom button Ø 40				
EFL2/40 - red		EFL3/40 - green		
Illuminated mushroom button with turn reset Ø 40 - turning off with a twist				
EFBL2/40		Red		

X symbolizes the position of the selector switch.

All possible colors for illuminated flush buttons, switches

0 - transparent	2 - red	3 - green	4 - yellow	5 - blue	6 - white	7 - orange
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Flush button with moving stick



EMBL2

Moving stick	
EMBL1	Black
EMBL2	Red

Pilot lights, monoblock pilot lights, or LED pilot lights

Pilot lights	Monoblock pilot lights BA9S	Monoblock and LED 24V or 230V pilot lights	
EL2	ELE2	ELE/L2	Red
EL3	ELE3	ELE/L3	Green
EL4	ELE4	ELE/L4	Yellow
EL5	ELE5	ELE/L5	Blue
EL6	ELE6	ELE/L6	White

Buzzer



ELE/RL

Buzzers	
ELE/R	24V AC/DC 85db
ELE/RL	24V AC/DC 85db with LED

Reset button



Metal case.

Stick - min 25mm - max 125mm

ER/5Reset - blue with white print
ER/6Reset - white with black print

Potentiometer



Contact supports - Contact blocks

Contact support for attaching contact block



EB

Contact blocks	
Fastening the wire	with screw
Max. thickness of wire	2,5 mm
Protection degree	IP 20

Contact block for assembly on contact support



EC/NC



EC/NO



ECD for direct power supply Ba9s

Power supply with LED : 24V - AC/DC 110V-AC 230V-AC

ECDL2	Red
ECDL3	Green
ECDL4	Yellow
ECDL6	White



ECDL x

Power supply with LED flasher : 24V or 230V

ECL2	Red
ECL3	Green
ECL4	Yellow
ECL6	White



ECL x Flasher

Assembly on DIN 35



EB (plate)/DIN35 - ADAPTER/grey for DIN35

Protection caps (pvc), rings, padlock covers

Protection for flush buttons, mushroom-head buttons	
ERPR	for flush button
ERPL	for illuminated flush button
ERPD	for dual pushbutton
ERPDR	for dual pushbutton extended
ERPDFS	for triple pushbutton
ERPF	for mushroom head button

Protection for mushroom buttons, selector switches	
OHC/K	for mushroom-head button, selector switch
OHC/P4	for mushroom-head button, selector switch
OHC/P7	for mushroom-head button, selector switch



OHC/P7 - grey



OHC/P4 - yellow
Mushroom and selector switch half collar shroud-plastic ring



OHC/K
Mushroom half collar shroud-metal ring

Protection for selector switches	
PRS4	for selector switch
PRS7	for selector switch



PRS4 - yellow



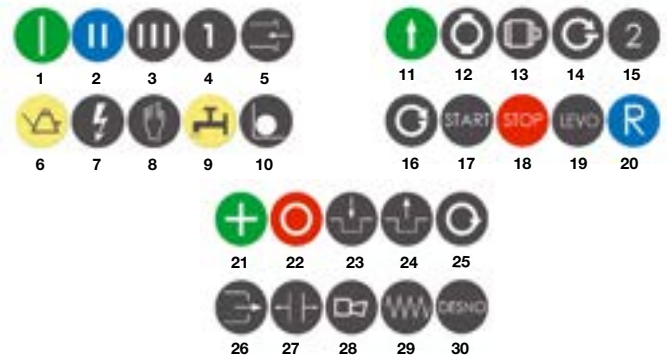
PRS7 - grey

PC/P	padlock cover
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PC/P
Padlock cover

Symbols - possible print on a ER button

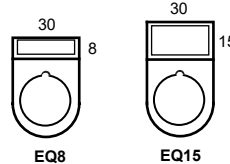


Plates - Labeling circles

Plates	
EQ8	transparent/print/engraving
EQ15	transparent/print/engraving



EQ8 or 15 / transparent plate
EQ8 or 15 / engraving foil



EQ8

EQ15

Labeling circles	
ED40	Yellow / Without print
ED50	Yellow / Without print
ED60	Yellow / Without print
ED90	Yellow / Without print
ED40/STOP	3 x STOP
ED60/STOP	3 x STOP
ED90/STOP	3 x STOP

LABELING CIRCLES

ED xx- STOP STOP STOP or EMERGENCY STOP



Diameter- fi / labeling circles: 40 - 50 - 60 - 90



EQ8R/STOP

ED40	EMERGENCY STOP
ED50	EMERGENCY STOP
ED60	EMERGENCY STOP
ED90	EMERGENCY STOP



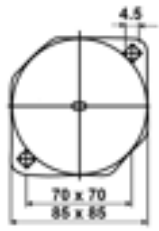
ENCLOSURES WITH BUTTON Ø 90 - IP65 (already contains contact block)

MUSHROOM-HEAD BUTTON WOBBLE	MUSHROOM-HEAD BUTTON
Yellow enclosure Red mushroom-head button	Yellow enclosure Red mushroom-head button
Contact NC	Contact NC
EVG 90/R/NC	EVGC 90/R/NC

PUSH-PUSH MUSHROOM-HEAD BUTTON
Yellow enclosure Red mushroom-head button
Contact NC
EVGPP 90/R/NC

MUSHROOM-HEAD BUTTON WOBBLE
Grey enclosure Black mushroom-head button
Contact NO
EV 90/B/NO

MUSHROOM-HEAD BUTTON	PUSH-PUSH MUSHROOM-HEAD BUTTON
Grey enclosure Black mushroom-head button	Grey enclosure Black mushroom-head button
Contact NO	Contact NO
EVC 90/B/NO	EVPP 90/B/NO



EVG 90/R/NC

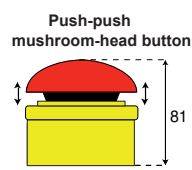
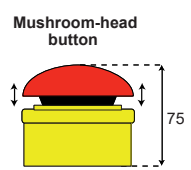
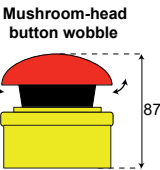
EVGC 90/R/NC

EVGPP 90/R/NC

EV 90/B/NO

EVC 90/B/NO

EVPP 90/B/NO



Plastic enclosures - IP65

1 hole	
EV1	Grey
EVG1/Stop	Yellow
EVG1B/Stop	Black-yellow
2 holes	
EV2	Grey
3 holes	
EV3	Grey



EV 1

EVG1/Stop

EVG1B/Stop



EV 2

EV 3

Contact blocks for assembly in enclosures EV, EVK

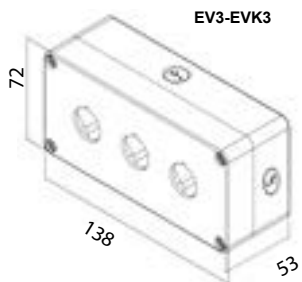
EC/NC-EV	EC/NO-EV	ECD-EV for direct power supply Ba9s

T22 - plugs Ø 22,5

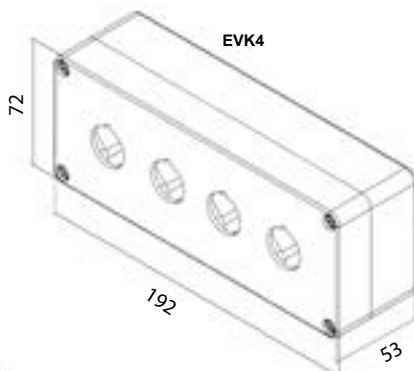
grey	black

Metal enclosures - IP65

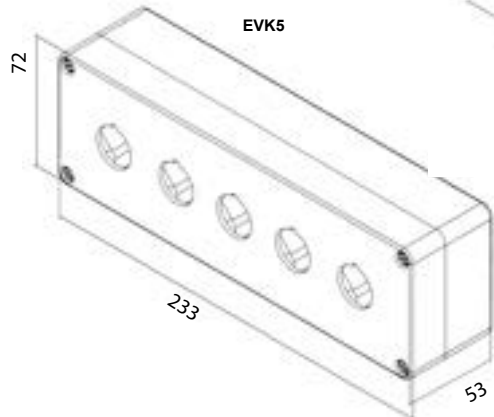
1 hole	
EVK 1	Grey
EVKG 1/Stop	Yellow
2 holes	
EVK 2	Grey
3 holes	
EVK 3	Grey
4 holes	
EVK 4	Grey
5 holes	
EVK 5	Grey



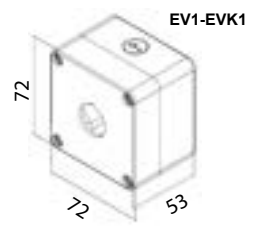
EV3-EVK3



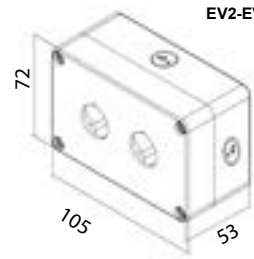
EVK4



EVK5



EV1-EVK1



EV2-EVK2

Mushroom-head button for enclosures Iskra



Mushroom-head button
EF/11



Mushroom-head button with turn reset
EFB/11



Mushroom-head button with key reset
EFC/11



Protection cap transparent / 11

Mushroom-head button for enclosures type CS and CO



Mushroom-head button
EF/CO



Mushroom-head button with turn reset
EFB/CO



Mushroom-head button with key reset
EFC/CO



CS



CO



Protection cap transparent / CS - CO

Foot switch



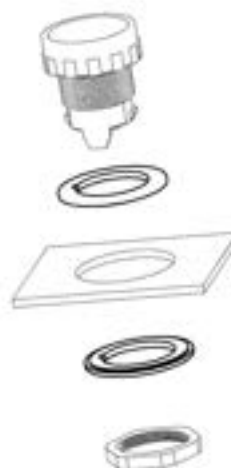
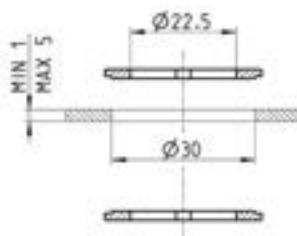
Z 03 - guard



FSM 02 - Foot switch

	FOOT SWITCH WITH GUARD - Z 03	FOOT SWITCH - FSM 02
Use	Where uncontrolled activation is not permitted. The guard is user friendly. It can be easily moved by foot to the best position. The cable inlet enables additional fastening of the cable guard tube. Slipping of the guard is prevented by four rubber contact surfaces.	To control machines and devices such as padprinting and silkprinting machines, dispensers, etc. Four rubber contact surfaces prevent the foot switch from slipping.
Material	A base is made of zinc plated mild steel sheet material, while a cover is made of painted mild steel sheet metal.	A body and a guard are made of Nylon reinforced by glass fibres PA. A mechanism is made of Polyacetal reinforced by glass balls POM. The application of the best materials and extremely robust design assure continuous operation and long life.
Tehnical characteristics	Dimensions: depth 152 mm width 123 mm height 100 mm Weight: 1044g	Current: 16 (4,0) A/250 AC Contact configuration: N/O, tin terminal Enclosure rating: IP 22 in compliance with DIN 40050 Dimensions: depth 104 mm width 88 mm height 28 mm Weight: 118g

Adapter for aperture Ø 30 -22



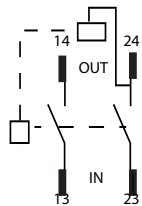
Push button 230V - E3251



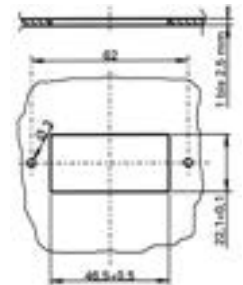
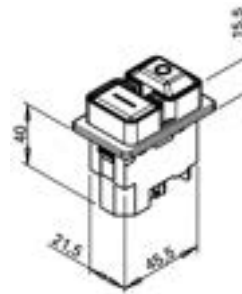
E3251/42/20



E3251/62/20



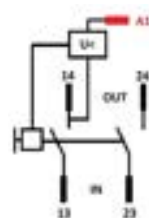
4 CONTACTS



E3251/42/21



E3251/62/21



5 CONTACTS

PRODUCT INFORMATION	
Switch operation	ON - OFF
Contact voltage AC	230 V
Contact current max	16 A
Protection degree	IP 40
with protection cap	IP 65
Operating temperature max	65 ° C
Operating temperature min	- 25 ° C
Series	TRIPUS

Is a 2-pole ON/OFF Switch with seal. An electromagnet sets the switch when turned on and if for any reason voltage loss occurs then the power is tripped out. The switch must then manually re-set before power can be restored. This prevents unintentional restart an obvious safety feature when used in conjunction with electric power tools.

Emergency stop mushroom-head button for E3251



PF42



PFB42



PF62



PFB62

Protection for E3251



PA42

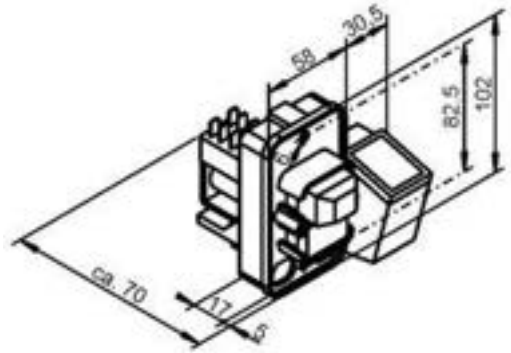



PP



PA62

Push button E3251/400V with mushroom-head button





2020

AAA

Platinum Creditworthiness



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Company ID: 5295629
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