

Slotted protection guard

Article	Description
VE GP22A5A	Cylindrical yellow protection guard with 4 slots Ø 40x20 mm

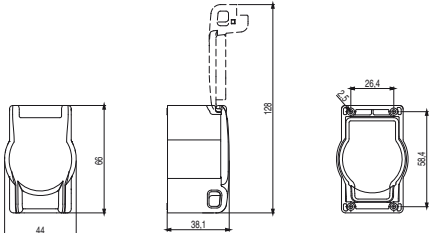
It does not alter the device IP protection degree.

Open protection guard

Article	Description
VE GP22F5A	Rectangular open yellow 66x38 h35 mm protection guard. Complete with 4 screws (for panels of thickness from 1 to 3.5mm).

Bypass

Article	Description
VE GG3EA7A	Lockable protection with 4 screws (for panels from 1 to 3,5 mm thickness)



Cylindrical protection guard

Article	Description
VE GP22B5A	Cylindrical yellow Ø43x27 mm protection guard

Not suitable for emergency pushbuttons E2 1PE••••• series
It does not alter the device IP protection degree.

Blanking plug

10 pcs packs

Article	Description
E2 1TA1A110	Black blanking plug for Ø 22 mm holes

Technical data:
Body and nut material: polymer
Protection degree: IP67 and IP69K
Driving torque: from 2 to 2.5 Nm

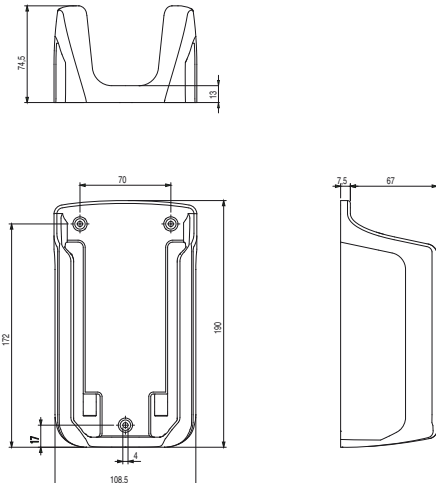
Sockets with protection IP54

Article	Shape	Description
VE PE1E1AA1		Europe Schuko + Italy IEC 60884-1 with children protection 16 A 250 Vac
VE PE1E1BA1		USA UL498/NEMA5-15 CSA22.2 nr.42 15 A 125 Vac
VE PE1E1CA1		France CEE 7/V IEC 60884-1 NFC 61314 with children protection 16 A 250 Vac
VE PE1E1DA1		England BS1363 with children protection 13 A 250 Vac
VE PE1E1EA1		Swiss IEC 60884-1 SEV 1011 10 A 250 Vac
VE PE1E1FA1		Australia / China AS/NZS 3112 15A 250 Vac

Sockets complete with 4 fixing screws

Holder

Article	Description
VE SF12AD1003A	Holder for EL AC••••• boxes with low base



Internal socket protection

Article	Description
VE GG2BA5A	Yellow socket protection

Protection complete with 2 screws for fixing under the socket, inside the control stations.

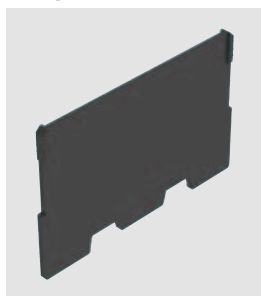
Cover protection

Article	Description
VE GG2CA5A	Yellow cover protection
VE GG2CB5A	Yellow cover protection (IP65)
VE GG2CA1A	Black cover protection (on request)

Hinges and fixing screws kit, only for control stations EL AC•••••.

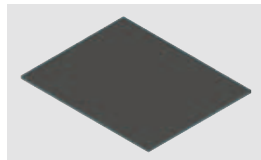
Items with code on the **green** background are available in stock

Separator



Article	Description
VE GG2DA1A	Separator
Separator applicable in different positions, to be used to separate those internal parts of the control stations having different voltage. Only for control stations EL AN•••••.	

Magnetic bases

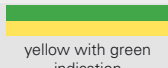
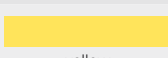


Adhesive magnetic bases in plastroferrite to be applied on the bottom of the control stations EL AC•••••, EL AN••••• and EL AD••••• allowing to anchor them to metal surfaces.

Article	Description
VE BM2B46X70	46x70 mm for EL AN21••• boxes
VE BM2B87X70	87x70 mm for EL AN22••• boxes
VE BM2B120X70	120x70 mm for EL AN23••• boxes
VE BM2B153X70	153x70 mm for EL AN24••• boxes
VE BM2B230X70	230x70 mm for EL AC27••• boxes and EL AD •••••

Emergency pushbuttons



Body colour and marking	Actuator colour	Push-pull	Rotary release	Windowed push-pull	Windowed rotary release	Key release Key coding PY333
 yellow	 red	E2 1PEPZ4531	E2 1PERZ4531	E2 1PEPF4531	E2 1PERF4531	E2 1PEBZ4531
 yellow with green indication	 red	E2 1PEPZ4731	E2 1PERZ4731	E2 1PEPF4731	E2 1PERF4731	E2 1PEBZ4731
 yellow	 black	E2 1PEPZ4511	E2 1PERZ4511	-	-	E2 1PEBZ4511

Selectors



Actuator colour and marking	Position	2 positions Black ring
 black		E2 1SE12AVA11AB



Actuator colour and marking	Position	3 positions Black ring
 black		E2 1SE13ACE11AB

Key selectors

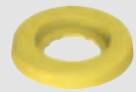
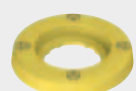


Actuator colour and marking	Position	2 positions Black ring
 black		E2 1SC2AVA11AA

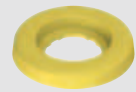
Legend

-  Stay-put
-  Spring-return
-  Key withdrawal position

Illuminated disc

colour and marking	Article	Description
	VE DL1A2A00	White illuminated disc, Ø 60 mm, 24 Vac/dc, no marking, 5 LUX
	VE DL1A5A00	Yellow illuminated disc, Ø 60 mm, 24 Vac/dc, no marking
	VE DL1A5A13	Yellow illuminated disc, Ø 60 mm, 24 Vac/dc, with marking:    

Blinking illuminated disc

colour and marking	Article	Description
	VE DL1A2L00	White illuminated disc, blinking (0.5s on 0.5s off), Ø 60 mm, 24 Vac/dc, no marking, 5 LUX
	VE DL1A5L00	Yellow illuminated disc, blinking (0.5s on 0.5s off), Ø 60 mm, 24 Vac/dc, no marking
	VE DL1A5L13	Yellow illuminated disc, blinking (0.5s on 0.5s off), Ø 60 mm, 24 Vac/dc, with marking:    

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Double pushbuttons



Actuator colour and marking		Flush upper pushbutton Projecting central pushbutton Flush lower pushbutton	
		Function	Black ring
	“→” black pushbutton	DOWN	E2 1PDRL1AABS
	white indicator light		
	“←” white pushbutton	UP	
	“↑” white pushbutton	UP	E2 1PDRL1AABN
	white indicator light		
	“↓” black pushbutton	DOWN	
	“⚠” yellow pushbutton	ALARM	E2 1PDRL1AADJ
	white indicator light		
	“↕” blue pushbutton	ENABLE	
	“💡” black pushbutton	LIGHT	E2 1PDRL1AABR
	white indicator light		
	“⚠” yellow pushbutton	ALARM	
	“💡” black pushbutton	LIGHT	E2 1PDRL1AADL
	white indicator light		
	“↕” blue pushbutton	ENABLE	

Triple pushbuttons



Actuator colour and marking		Flush upper pushbutton Projecting central pushbutton Flush lower pushbutton	
		Function	Black ring
	“💡” black pushbutton	LIGHT	E2 1PTRS1AADK
	“⚠” yellow pushbutton	ALARM	
	“↕” blue pushbutton	ENABLE	
	“→” black pushbutton	DOWN	E2 1PTRS1AABK
	“⚠” yellow pushbutton	ALARM	
	“←” white pushbutton	UP	

Flush and mushroom pushbutton



Actuator colour and marking	Function	Flush Pushbuttons	Flush Ø 36 mm mushroom pushbuttons
		Black ring	Black ring
 white	UP	E2 1PU2R221L7	/
 black	DOWN	E2 1PU2R121L8	/
 black	LIGHT	E2 1PU2R121L16	E2 1PU2F141L16
 yellow	LIGHT	E2 1PU2R521L16	E2 1PU2F541L16
 yellow	ALARM	E2 1PU2R521L14	E2 1PU2F541L14
 blue	ENABLE	E2 1PU2R621L170	/

Quadruple pushbuttons



Actuator colour and marking (starting from the top and clockwise)		flush upper pushbutton flush right pushbutton flush lower pushbutton flush left pushbutton	
		Function	black ring
	“↑” white pushbutton	UP	E2 1PQFA1QAAQ
	“💡” black pushbutton	LIGHT	
	“↓” black pushbutton	DOWN	
	“⚠” yellow pushbutton	ALARM	
	“↑” white pushbutton	UP	E2 1PQFA1QAAS
	“💡” black pushbutton	LIGHT	
	“↓” black pushbutton	DOWN	
	“↕” blue pushbutton	ENABLE	
	“↑” white pushbutton	UP	E2 1PQFA1QAAR
	“⚠” yellow pushbutton	ALARM	
	“↓” black pushbutton	DOWN	
	“↕” blue pushbutton	ENABLE	

Monolithic illuminated indicator**10 pcs packs**

LED colour	Operation voltage		
	12 ... 30 Vac/dc	120 Vac	230 Vac
white	E6 1IL1A2110	E6 1IL7A2110	E6 1IL8A2110
red	E6 1IL1A3110	E6 1IL7A3110	E6 1IL8A3110
green	E6 1IL1A4110	E6 1IL7A4110	E6 1IL8A4110
yellow	E6 1IL1A5110	E6 1IL7A5110	E6 1IL8A5110
blue	E6 1IL1A6110	E6 1IL7A6110	E6 1IL8A6110
orange	E6 1IL1A8110	E6 1IL7A8110	E6 1IL8A8110

Buzzer

Tipologia di suono	Type and supply voltages	With holes	Without holes
continuous	12 Vac/dc	E6 1IS5A1CV1B	E6 1IS5B1CV1B
	24 Vac/dc	E6 1IS6A1CV1B	E6 1IS6B1CV1B
pulsing	12 Vac/dc	E6 1IS5A1PV1B	E6 1IS5B1PV1B
	24 Vac/dc	E6 1IS6A1PV1B	E6 1IS6B1PV1B

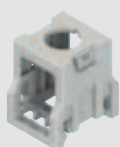
Sound level: > 55dB at 1m

USB socket

Back connection	Front connection USB 2.0 Type A integrated female socket black ring	
USB Type A integrated female socket	E2 1USB1CAK	/
outlet with cable in PVC (1.8 m long) and USB Type A male socket	/	E2 1USB1CN1.8
outlet with cable in PVC (3 m long) and USB Type A male connector	/	E2 1USB1CN3
outlet with cable in PVC (5 m long) and USB Type A male connector	/	E2 1USB1CN5

RJ45 socket

Back connection	Front connection RJ45 integrated female socket black ring	
RJ45 integrated female socket	E2 1RJ451AAK	/
Output with cable in PVC (1 m long) and RJ45 male connector	/	E2 1RJ451AN1
Output with cable in PVC (2.5 m long) and RJ45 male connector	/	E2 1RJ451AN2.5

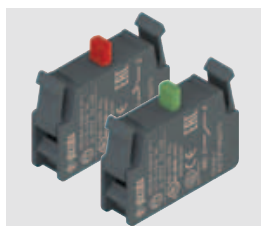
DIN rail adapter**10 pcs packs**

Article	Description
VE AD3PF9A0	Adapter with Ø22 hole for front fixing on DIN rail of control and signalling devices EROUND series.

Not suitable for cam switches and quadruple pushbuttons

Items with code on the **green** background are available in stock

Contact blocks



Article	Contacts
E2 CP01G2V1	Slow action 1NC $\rightarrow$
E2 CP10G2V1	Slow action 1NO
E2 CP01K2V1	Lagging slow action 1NC $\rightarrow$
E2 CP10L2V1	Leading slow action 1NO

General data

Protection degree: IP20 according to IEC 60529
 Ambient temperature: -40°C ... +80°C
 Mechanical endurance: 20 million operations cycles
 Max operating frequency: 3600 operations cycles/hour
 Contacts material: silver contacts
 Contacts form: "V shape" self-cleaning contacts with quadruple contact points
 Screw terminal driving torque: 0.6 ... 0.8 Nm

Electrical data

Thermal current (I_{th}): 10 A
 Rated insulation voltage (U_i): 500 Vac/dc
 Protection against short circuits: type gG/gL fuse 10 A 500 V
 Rated impulse withstand voltage (U_{imp}): 8 kV
 Pollution degree: 3

Utilization category

Alternating current: AC15 (50 ... 60 Hz)
 U_e (V) 24 48 120 250 400
 I_e (A) 6 6 6 6 3
 Direct current: DC13
 U_e (V) 24 48 125 250
 I_e (A) 2.5 1.3 0.6 0.3

Contact blocks



Article	Contacts
E2 CP01S2V1	slow self-monitored action 1NC $\rightarrow$

General data

Protection degree: IP20 according to IEC 60529
 Ambient temperature: -40°C ... +80°C
 Mechanical endurance: 20 million operations cycles
 Max operating frequency: 3600 operations cycles/hour
 Contacts material: silver contacts
 Contacts form: "V shape" self-cleaning contacts with quadruple contact points
 Screw terminal driving torque: 0.6 ... 0.8 Nm

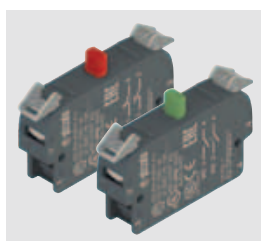
Electrical data

Thermal current (I_{th}): 10 A
 Rated insulation voltage (U_i): 250 Vac/dc
 Protection against short circuits: type gG/gL fuse 10 A 500 V
 Rated impulse withstand voltage (U_{imp}): 4 kV
 Pollution degree: 3

Utilization category

Alternating current: AC15 (50 ... 60 Hz)
 U_e (V) 24 48 120 250
 I_e (A) 6 6 6 6
 Direct current: DC13
 U_e (V) 24 48 125 250
 I_e (A) 2.5 1.3 0.6 0.3

Contact blocks



Article	Contacts
E2 CP11G2V1	Slow action 1NO+1NC $\rightarrow$
E2 CP20G2V1	Slow action 2NO
E2 CP02G2V1	Slow action 2NC $\rightarrow$

General data

Protection degree: IP20 according to IEC 60529
 Ambient temperature: -40°C ... +80°C
 Mechanical endurance: 20 million operations cycles
 Max operating frequency: 3600 operations cycles/hour
 Contacts material: silver contacts
 Contacts form: "V shape" self-cleaning contacts with quadruple contact points
 Screw terminal driving torque: 0.6 ... 0.8 Nm

Electrical data

Thermal current (I_{th}): 10 A
 Rated insulation voltage (U_i): 250 Vac/dc
 Protection against short circuits: type gG/gL fuse 10 A 500 V
 Rated impulse withstand voltage (U_{imp}): 4 kV
 Pollution degree: 3

Utilization category

Alternating current: AC15 (50-60 Hz)
 U_e (V) 24 48 120 250
 I_e (A) 6 6 6 6
 Direct current: DC13
 U_e (V) 24 48 125 250
 I_e (A) 2.5 1.3 0.6 0.3

LED holders



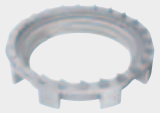
LED colour	Actuator colour	Operation voltage		
		12 ... 30 Vac/dc	120 Vac	230 Vac
white	white / yellow	E2 LP1A2V1	E2 LP3A2V1	E2 LP4A2V1
red	red	E2 LP1A3V1	E2 LP3A3V1	E2 LP4A3V1
green	green	E2 LP1A4V1	E2 LP3A4V1	E2 LP4A4V1
blue	blue	E2 LP1A6V1	E2 LP3A6V1	E2 LP4A6V1
orange	orange	E2 LP1A8V1	E2 LP3A8V1	E2 LP4A8V1

General data

Protection degree: IP20 according to IEC 60529
 Ambient temperature: -25°C ... +70°C
 Endurance: 100.000 hours (at rated voltage and ambient temperature +25 °C)
 Operation voltage:
 12 ... 30 Vac/dc; 5 ... 15 mA
 102 ... 138 Vac; 10 ... 12 mA
 195 ... 264 Vac; 9 ... 10 mA
 Screw terminal driving torque: 0.6 ... 0.8 Nm

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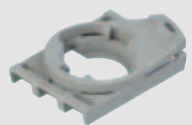
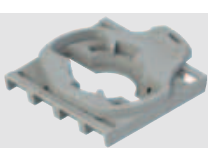
Fixing ring**20 pcs packs**

	Article	Description
	VE GF121A	Polymer fixing ring
	VE GF720A	Metal fixing ring

Fixing tool

	Article	Description
	VE CH121A1	Polymer fixing tool for VE GF fixing rings

Fixing adapter**10 pcs packs**

	Article	Description
	E2 1BAC11	Fixing adapter with 3 positions for E2 CP contact block and E2 LP LED holder
	E2 1BAC21	Fixing adapter with 4 positions for E2 CP contact block Can be exclusively combined with selectors E2 •SE•••••, key selectors E2 •SC•••••, pushbuttons E2 •PU•••••, double pushbuttons E2 •PD•••••, emergency pushbuttons E2 1PE•••••, configured in the appropriate versions for adapters with 4 positions. Combined with quadruple buttons E2 •PQ ••••• and joystick E2 •MA •••••

Cam switches**General data**

Protection degree according to IEC 60529: IP67 only if installed on appropriate cover
IP20 on the terminals

Ambient temperature: -20°C +50°C

Mechanical endurance: 500.000 operation cycles at 120 operation cycles/hour

Contacts material: silver contacts

Screw terminal driving torque: 1,2 Nm

Thermal current (I_{th}): 25 A

Rated insulation voltage (U_i): 690 Vac

Rated impulse withstand voltage (U_{imp}): 6 kV

Flexible conductor section:: 0,5... 2,5 mm²

Contacts								Position	Article
1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16		
NC	NO	-	-	-	-	-	-		EH B2A11B-P01
NC	NO	NC	NO	-	-	-	-		EH B2A22B-P01
NO	NO	NC	NC	NC	NC	-	-		EH B2A24B-P01
NC	NO	NC	NO	NC	NO	-	-		EH B2A33B-P01
NO	NC	NO	NC	NO	NC	NC	NC		EH B2A35B-P01

Please note: only available already assembled on control stations.

Rated operation current Ie: alternate current (50/60 Hz)						
Vac	AC-21A (A)	AC-22A (A)	AC23A		AC-3	
			1PH	3PH	1PH	3PH
110-120	25	/	0,5 Kw	/	0,4	/
220-240	25	/	0,9 Kw	2,6 Kw	0,75 Kw	2,2 Kw
380-400	25	/	1,5 Kw	7,5 Kw	1,3 Kw	5,5 Kw

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