

# Lift

Pit bottom push button stations, recall drive control units and EN81 inspection boxes  
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LIFT TECHNOLOGY



Pit bottom push button stations, recall drive control units and inspection boxes with max 11 functions. Connection by spring or wired on the printed circuit European specification EN81-1 e 81-2 "Safety rules for the build and for lift plant" and Nord America CSA-B44.1/ASME-A17.5 "Elevator and Escalator Electrical Equipment" Resistance to vibrations and impacts as EN60068-2-6, EN60068-2-27, EN60068-2-2 The components are made in conformity to IMQ, CCC, GOST-R e UL Certifications.

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# Lift

Pit bottom push button stations, recall drive control units and EN81 inspection boxes

## CARATTERISTICHE GENERALI

Giovenzana International B.V. is the European market leader in the lift equipment electrical devices. The products have European EN81-1 e 81-2 and North America CSA B44.1/ASME - A17.5 specifications, and are meeting all safety requirements. The components are made in full accordance with standard product norms: IEC947-3, IEC947-5-1, EN60947-3, EN60947-5-1, UL508, and IEC204-1, EN60204-1, EN ISO 13850 and in conformity to directives RoHS, PFOS, RAEE e REACH. With 60 years experience in this field, Giovenzana International Company, made a wide range of standard products for all installation requirements with actual specification and safety guidelines. The Lift products serie are classified as:

- Pit bottom stations - Recall drive control units - Car top inspection boxes Beyond the standard versions are available a wide range of specials products and customizable meeting customers technical needs.
- In conformity to EN81-1, EN81-2, CSA-B44.1/ASME-A17.5, EN ISO 13850
- CSA approvals
- Enclosures made of self extinguishing thermoplastic material
- Protection class EN60529: NEMA 4X, IP65 w/ot socket , with socket IP54, terminal connections IP20
- Vibration resistance as EN60068-2-26 e EN60069-2-27
- Shocks resistance as EN60068-2-29
- Connections: spring clamp contacts for push buttons, mushrooms, rotary switch screws terminals for cam-switches, buzzers and socket outlets
- Ambient temperature: operating -25° + 70°C, Storage -30° + 70°C

## ELECTRICAL CHARACTERISTICS

		CONTACT BLOCKS	CAM SWITCHES
■ In conformity to standard rules		IEC/EN60947-5-1 UL508	IEC/EN60947-3 UL508
■ Approvals		IMQ, CCC, GOST-R, UL, RINA	
■ Rated insulation voltage $U_i$	V	690	690
■ Rated impulse withstand voltage $U_{imp}$	kV	4	4
■ Rated thermal current $I_{th}$	A	16	16
■ Frequency	Hz	50/60	50/60
■ Rated operating current $I_e$ :	V	24   60   110   240   400   500   690	
■ AC - 15 alternate current	A	10   8   6   5   4   4   2	-
■ DC - 13 direct current	V	24   48   60   110   250	-
	A	2   2   1   0,4   0,4	-
■ AC - 21A - AC - 22A alternate current	A	-	16A-690V
■ Conditional short circuit withstand current	A	1000	5000
■ Fuse rating gG	A	10A - 500V	20A - 690V
■ Switching mechanism		slow break double gap contacts	
■ Positive		Contact blocks NC positive open ⊕	Disconnecting recognize
■ Screws and clamps		Spring clamp connection	M3,5
■ Connections: Flex cable and solid cable n. 1 min/max mm <sup>2</sup>		0,5/2,5	0,75/4
n. 2 min/max mm <sup>2</sup>		0,5/2,5	0,75/2,5
	AWG	20-12	16-12



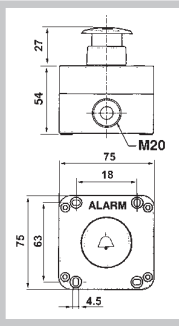

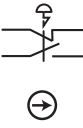
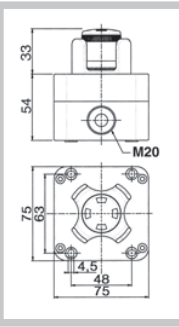


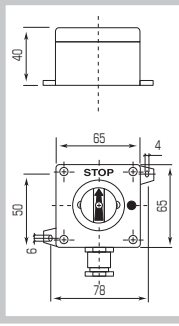



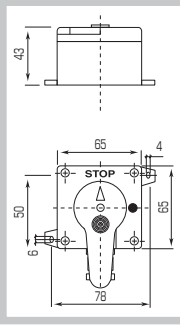
# Lift

## Pit bottom stations and recall drive control units

IP65





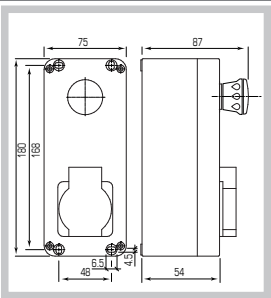





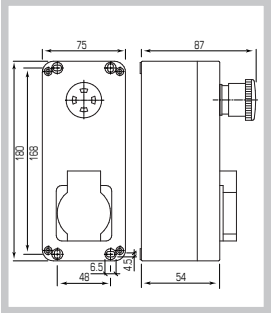





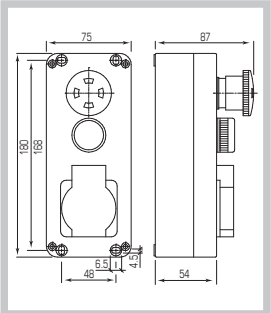




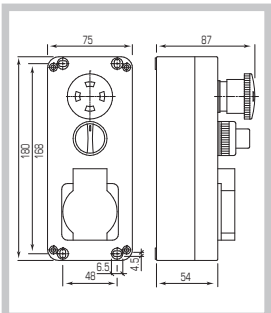


LIFT TECHNOLOGY

	DESCRIPTION	SCHEME	CODE	WEIGHT gr	DIMENSIONS
	<p><b>Alarm push button station CE 95/16</b></p> <p>Mushroom <math>\varnothing</math> 40 momentary</p>		<b>GMO1FN3</b>	150	
	<p><b>E-stop push button station EN ISO 13850</b></p> <p>Mushroom <math>\varnothing</math> 40 push-pull, with 4 sectors, shocks protected</p>		<b>GM01P4SP</b>	150	
	<p><b>Pit bottom switch with knob</b></p> <p>Knob <math>\varnothing</math> 35</p>	<p>1 Polo</p> 	<b>GM353</b>	90	
	<p>Knob <math>\varnothing</math> 35</p>	<p>2 Poli</p> 	<b>GM355</b>	95	
	<p><b>Pit switch</b></p> <p>With handle locked in stop position</p>		<b>GM354</b>	110	

# Lift

## Pit bottom stations and recall drive control units

IP54 □

	DESCRIPTION	SCHEME	CODE	WEIGHT gr	DIMENSIONS
	Emergency stop EN ISO 13850 Ø 40 push-pull:				
	1 Schuko socket outlet 10A		GM400.E	265	
	1 Cenelec socket outlet		GM407.E	265	
	1 American socket outlet		GM408.E	265	
	Emergency stop EN ISO 13850 mushroom Ø 40 push-pull with vision:				
	1 Schuko socket outlet 16A		GM400	265	
	1 Cenelec socket outlet		GM407	265	
	1 American socket outlet		GM408	265	
	Emergency stop EN ISO 13850 mushroom Ø 40 push-pull with vision:				
	1 Alarm push button		GM401	420	
	1 Schuko socket outlet 16A				
	Emergency stop EN ISO 13850 mushroom Ø 40 push-pull with vision:				
	1 knob selector 0 - 1 to 90°		GM403	420	
	1 Schuko socket outlet 16A				



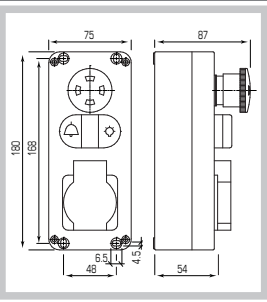





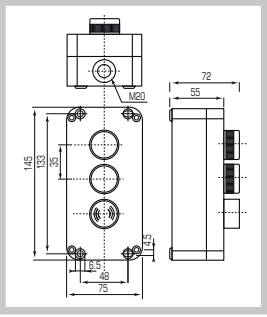




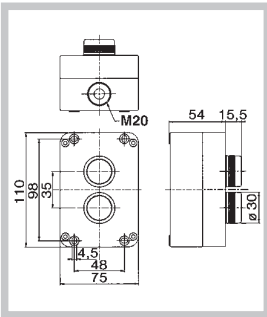


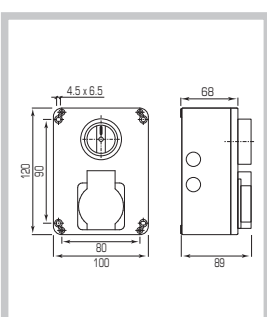

# Lift

## Pit bottom stations and recall drive control units

IP54 □



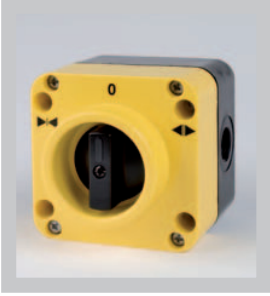

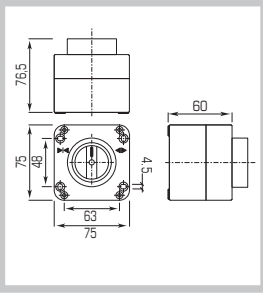




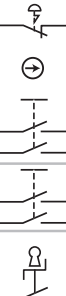
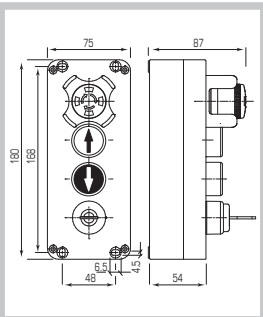




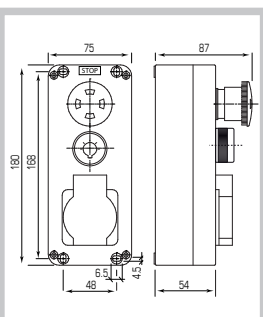




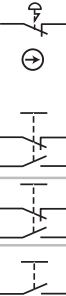
LIFT TECHNOLOGY

	DESCRIPTION	SCHEME	CODE	WEIGHT gr	DIMENSIONS
	<b>Emergency stop EN ISO 13850 mushroom Ø 40 push-pull with sectors:</b>				
	1 multi-function button Alarm - light				
	1 Schuko socket outlet 16A		GM491	450	
	1 Cenelec socket outlet		GM492	450	
	<b>Buzzer AC/DC 12 - 24V with:</b>				
	1 Green led lights		GM419	420	
		AC/DC 24V			
	1 Red led lights				
	AC/DC 24V				
 <p>IP65</p>	<b>Advising LED lights AC/DC 12 - 24V with:</b>				
	1 Green led lights		GM219	260	
	1 Red led lights				
	<b>Cam switches 0 - 1, 90° switching with:</b>				
	1 Schuko socket outlet 16A		GM243	285	

# Lift

## Pit bottom stations and recall drive control units

IP65 □

	DESCRIPTION	SCHEME	CODE	WEIGHT gr	DIMENSIONS
	<p><b>TDOS Push button station</b></p> <p>Cam switches 1 → 0 ← 2 spring return to the center Ui 690V - Ithe 16A le AC-21A-AC-22A 16A-690V DC-21A 12A - 50V DC-22A 10A - 30V</p>		GM092	165	
	<p><b>Emergency stop EN ISO 13850</b> Ø 30 twist to release with sectors:</p> <p>1 Up push button 2NO </p> <p>1 Down push button 2NO </p> <p>1 Rotary switch with key 0 - 1 - 90° switching 1NO </p>		GM420	690	
 IP54	<p><b>Emergency stop EN ISO 13850</b> Ø 40 twist to release with sectors:</p> <p>1 Light push button 1NO </p> <p>1 Cenelec socket outlet </p>		GM421	430	
	<p><b>Emergency stop EN ISO 13850</b> Ø 40 twist to release with sectors:</p> <p>1 Up push button - 1NO - 1NC </p> <p>1 Down push button - 1NO - 1NC </p> <p>1 Start push button - 1NO - 1NC </p>		GM482	690	