Product designation			Enclosed switch disconnector
Product type designation			GAZ
Number of poles		Nr.	3
Operating voltage type			AC
Contact characteristics			
IEC Conventional free air thermal current Ith		A	80
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operating current Ie			
AC21A			
	400V	A	80
	500V	A	80
	690V	A	80
AC22A			
	400V	A	80
	500V	A	80
	690V	A	80
AC23A			
	400V	A	80
	500V	A	63
	690V	A	47
Power dissipation per pole max		W	2.6
Rated operational power AC23A			
	400V	kW	45
	690V	kW	45
Conditional short-circuit current (rms)		kA	50
Short-circuit protection with fuse		Class/A	gG80
Making capacity AC23A 400V		A	800
Breaking capacity AC23A 400V		A	640
Mechanical life		cycles	30000
Electrical life AC21A		cycles	30000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		Any
Terminals			
	type		Pillar
	width	mm	12.4
	height	mm	10.4
	screw		M8
	tool		Metric Allen key 4
Tightening torque for terminals			
	min	Nm	5
	max	Nm	6

min	Ibin	45	
max	Ibin	54	

Conductor section

IEC min	mm²	4	
IEC max	mm²	70	
AWG/kcmil min		12	
AWG/kcmil max		1	

Ambient conditions

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Max altitude	m	3000

Resistance & Protection

Frontal IP degree	IP65
IP degree of protection	IP65
Pollution degree	3

Dimensions

Lovato electric
ENERGY AND AUTOMATION

**GAZ080C**
IEC/EN TYPE IP65 NON-METALLIC ENCLOSURE SWITCH DISCONNECTOR, THREE-POLE.
WITH ROTATING RED/YELLOW HANDLE, 80A

175 (6.89")
210 (8.27")
121.5 (4.78")
98.5 (3.88")
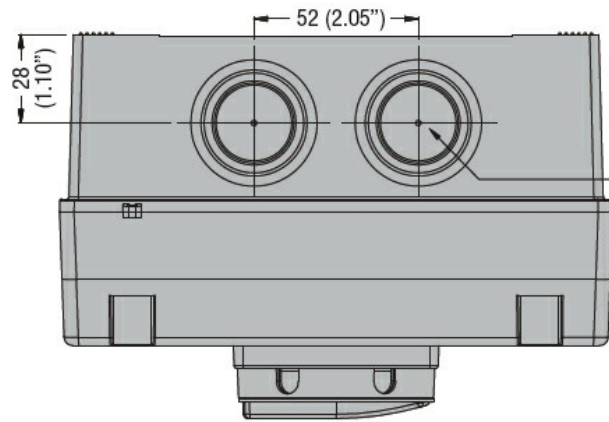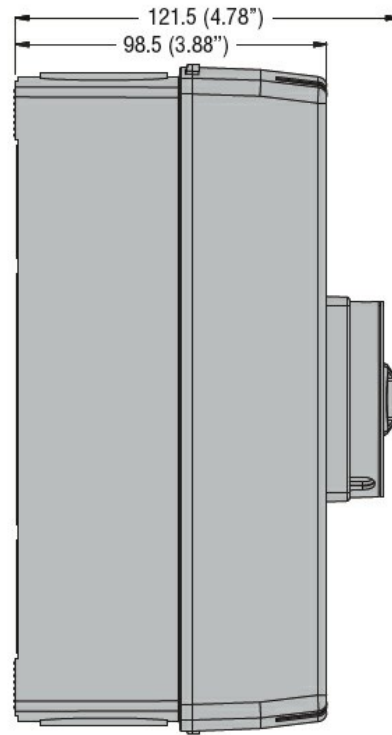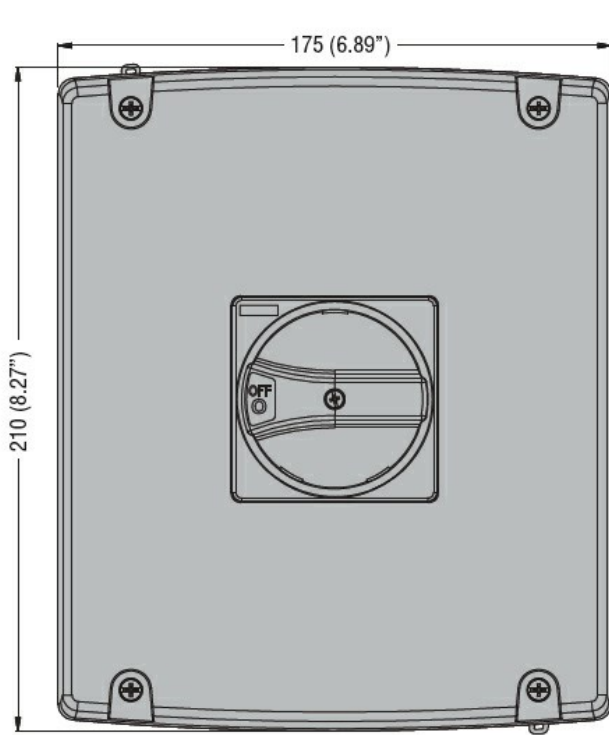
Drilling for surface fixing

52 (2.05")
28 (1.10")
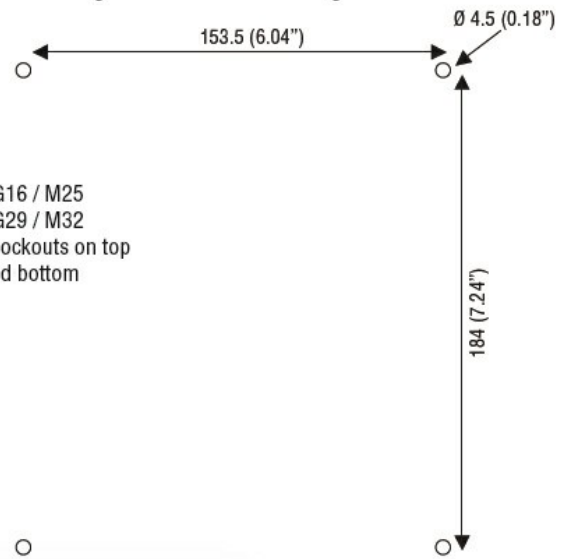
PG16 / M25
PG29 / M32
knockouts on top
and bottom

153.5 (6.04")
Ø 4.5 (0.18")
184 (7.24")

Wiring diagrams

LINE
L1   L2   L3

T1   T2   T3
LOAD
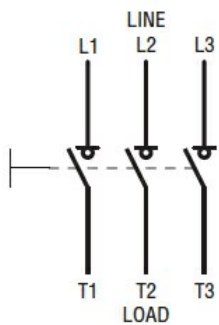
Certifications and compliance

Compliance

GAZ080C
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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IEC/EN 60947-1	
IEC/EN 60947-3	

Certifications		
	EAC	4 / 4

ETIM classification

ETIM 8.0	EC000216 - Switch disconnector

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