GL0160C1

THREE-POLE SWITCH DISCONNECTOR, IEC/EN, 160A

Contact characteristics				
IEC Conventional free air thermal current Ith ≤ 40°C			A	160
Rated insulation voltage Ui IEC/EN			V	1000
Rated impulse withstand voltage Uimp			kV	12
Operating current Ie				
	AC21A			
		400V	A	160
		500V	A	160
		690V	A	160
		1000V	A	160
	AC22A			
		400V	A	160
		500V	A	160
		690V	A	160
	AC23A			
		400V	A	160
		500V	A	160
		690V	A	160
		1000V	A	135
Power dissipation per pole max			W	3.2
Rated operational power AC23A				
		400V	kW	90
		690V	kW	134
Reactive power for control of capacitors at				
		400V	kvar	80
Rated short time current (1s) Icw (rms)			kA	6
Rated short time current (0.3s) Icw (rms)			kA	12
Conditional short-circuit current (rms)			kA	100
Short-circuit protection with fuse			Class/A	gG/160
Making capacity AC23A 400V			A	1600
Breaking capacity AC23A 400V			A	1280
Mechanical life			cycles	20000
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		Any
Fixing				Screw / DIN rail 35mm
Terminals				
		type		M8 x 25
Tightening torque for terminals				
		min	Nm	15
		max	Nm	22
		min	lbin	132
		max	lbin	194

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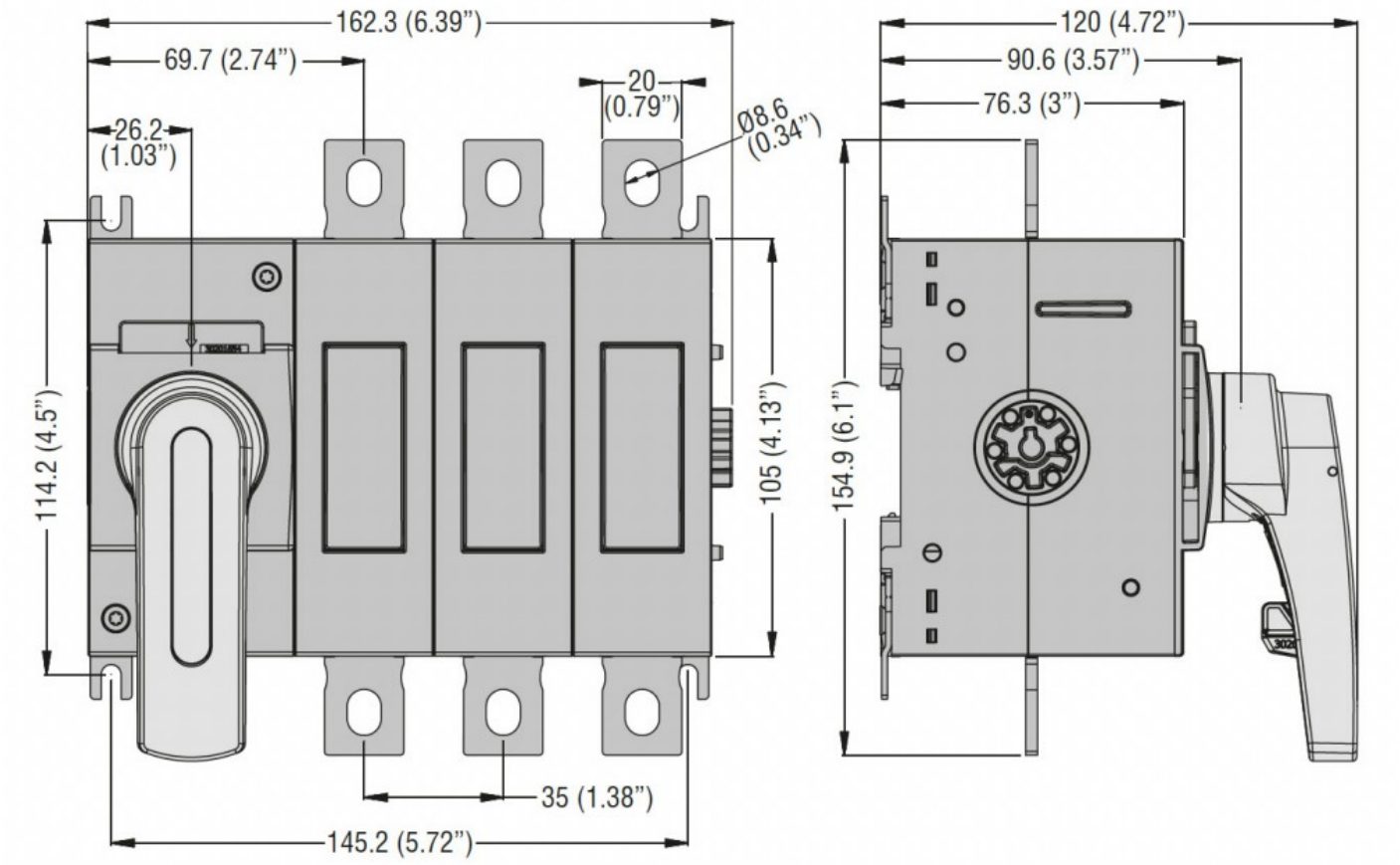
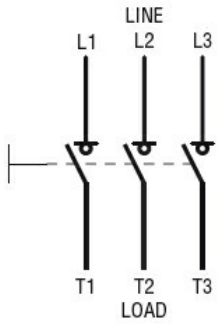
Conductor section			
	IEC min	mm²	70
	IEC max	mm²	185
	AWG/kcmil min		00
	AWG/kcmil max	kcmil	400
Ambient conditions			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Max altitude		m	3000
Resistance & Protection			
Pollution degree			3
Dimensions			



Wiring diagrams



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Certifications and compliance

Compliance

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

ETIM classification

ETIM 8.0	EC000216 - Switch disconnector

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