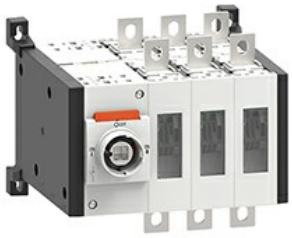
Lovato electric
ENERGY AND AUTOMATION

GLC0315C1

Three-pole changeover switch, IEC/EN, 315A



Product designation			Changeover Switch
Product type designation			GLC
Number of poles		Nr.	3
Operating voltage type			AC
Contact characteristics			
IEC Conventional free air thermal current Ith		A	315
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	12
Operating current Ie			
AC23A			
	400V	A	315
AC31B			
	400V	A	315
	500V	A	315
	690V	A	315
AC32B			
	400V	A	315
	500V	A	315
	690V	A	315
AC33B			
	400V	A	250
	500V	A	250
	690V	A	250
Power dissipation per pole max		W	6.5
Rated operational power AC23A			
	400V	kW	140
	690V	kW	250
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/315
Making capacity AC23A 400V		A	2500
Breaking capacity AC23A 400V		A	2000
Mechanical life		cycles	20000
Mechanical features			
Operating position			
	normal		Vertical plan
	allowable		Any
Fixing			Screw
Terminals			
	type		M8 x 20
Tightening torque for terminals			
	min	Nm	15
	max	Nm	22

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	min	Ibin	132
	max	Ibin	194

Conductor section

IEC min	mm²	1X182
IEC max	mm²	2X185
AWG/kcmil min		1X400
AWG/kcmil max		2X350

UL technical data

UL Standard	UL1008

Ambient conditions

Operating temperature

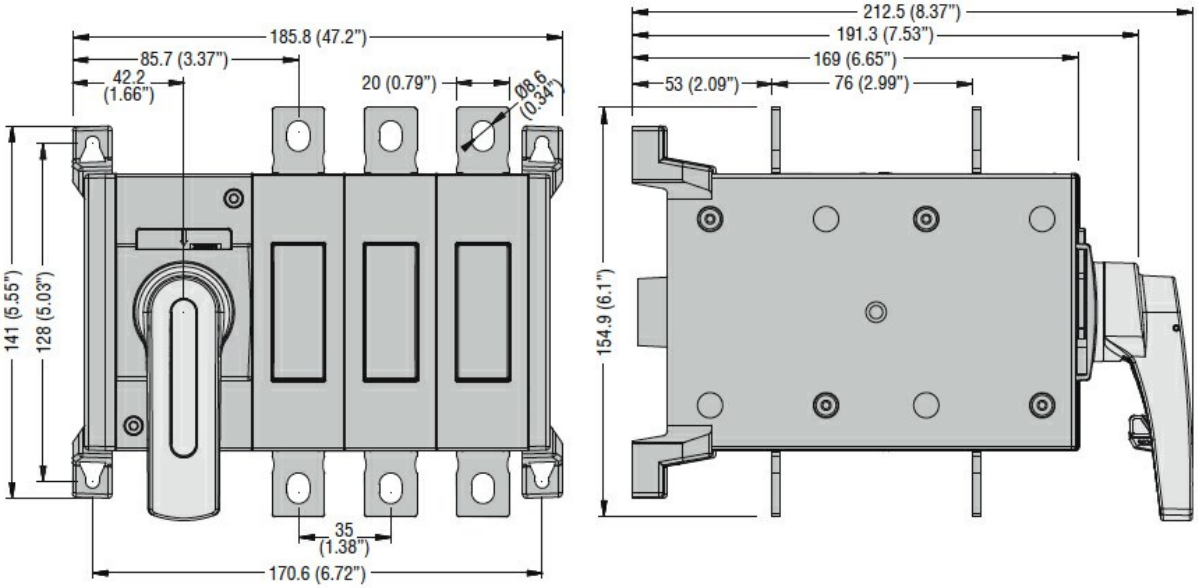
min	°C	-25
max	°C	+55

Storage temperature

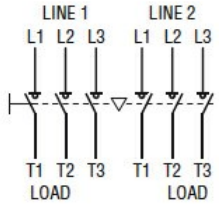
min	°C	-40
max	°C	+70

Max altitude	m	3000

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60947-1
IEC/EN 60947-3
IEC/EN 60947-6-1

ETIM classification

ETIM 8.0	EC000216 - Switch disconnector

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