

### General characteristics

Switching diagram	93 - Multi-step 1-2-3 3 poles
N° of elements	5
Mounting form	U - Front mounting with black handle

### Contact characteristics

Rated insulation voltage $U_i$	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage $U_{imp}$		kV	6
Conventional free air thermal current $I_{th}$	IEC/EN	A	20
	UL/CSA	A	15
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	20
	15kA	A	20
	25kA	A	20
Rated short time current $I_{cw}$	1s	kA	250
	Conductivity		
Operational current $I_e$ IEC/EN	AC1/AC21A		A 20
	AC15		
	110V	A	10
	220/230V	A	8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	3.7
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Three-phase AC23A	220/230V	kW	4
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A	110V	kW	0.75
	220/230V	kW	2.2
	380/440V	kW	3.5
Rated operational current in DC	DC21A		
	48V	A	20
	60V	A	20

		110V	A	4
		220V	A	0.6
		440V	A	0.25
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DC23A (poles in series)		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
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DC13		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
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Power dissipation			W	0.6
<b>Mechanical features</b>				
Terminals screw				M3
Tightening torque for terminals max			Nm	0.8
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Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
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	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
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	Conductor size (IEC) - Flexible cable			
		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
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	Conductor size (IEC) - Rigid cable			
		min	mm <sup>2</sup>	0.5
		Max	mm <sup>2</sup>	2.5
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Mechanical life			cycles	1X10 <sup>6</sup>
<b>UL technical data</b>				
Motor power for direct-on-line control				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	5
		600V	HP	5
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	for single-phase motor			
		120V	HP	0.75
		240V	HP	1.5
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<b>Ambient conditions</b>				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
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	Storage temperature			
		min	°C	-40
		max	°C	+70
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<b>Resistance &amp; Protection</b>				
Frontal IP degree				IP65

Terminals IP degree

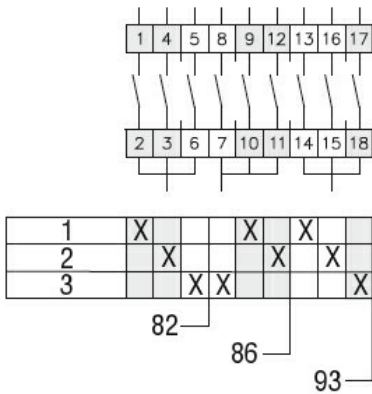
IP20

**Dimensions**



Series	Dimensions							L Number of elements											
	□A	C	∅D1	∅D2	E	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
<b>GX16</b>	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
<b>GX20</b>	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
<b>GX32</b>	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183
<b>GX40</b>	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183

**Wiring diagrams**



**Certifications and compliance**

**Compliance**

- CSA C22.2 n° 14
- IEC/EN/BS 60947-1
- IEC/EN/BS 60947-3
- IEC/EN/BS 60947-5-1
- IEC/EN/BS 61058-1
- UL60947-4-1

**Certificates**

- cULus
- EAC

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete