

ENERGY AND AUTOMATION

Product type designation SX20 Size					
Switching diagram	Product type designation				GX20
Section Sect					
Rated insulation voltage U IEC/EN V 690 UL/CSA V 600 Conventional free air thermal current lith UL/CSA V 440 Conventional free air thermal current lith UL/CSA A 15 Conventional free air thermal current lith UL/CSA A 16 Conventional free air thermal current lith UL/CSA A 16 Conventional free air thermal current lith UL/CSA A 16 Conventional free air thermal current lith UL/CSA A 16 Conventional free air thermal current lith UL/CSA A 16 Conventional current lith Conventional current l					12
Rated insulation voltage Uimp					4
IEC/EN V 690					
Materia	Rated insulation voltage	e Ui			
Rated impulse withstand voltage Ulimp LIVCSA A 15 Rated operational voltage V 440 Maximum fuse size for short-circuit protection In (gG) 25kA A 16 Rated short time current low 1s A 250 Coperational current Ie IEC/EN A 10 AC1/AC21A A 10 AC15 110V A 10 220/230V A 8 660/690V A 3.7 Rated operational power in AC Single-phase AC-3 380/440V kW 3 Three-phase AC23A 380/440V kW 3.5 Rated operational current in DC DC21A 48V A 20 AC3A 40V A 20 AC40V A 20 AC5A A 20 AC60V A 20 AC7A A 20 AC				V	
Conventional free air thermal current Ith Rated operational voltage V 440			UL/CSA		
Maximum fuse size for short-circuit protection In (gG)				kV	6
Rated operational voltage V 440	Conventional free air thermal current Ith				
Maximum fuse size for short-circuit protection In (gG) 25kA A 16 Rated short time current Icw 1s A 250 Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 660/690V A 3.7 Rated operational power in AC Single-phase AC-3 380/440V kW 3 Three-phase AC23A 380/440V kW 3 Rated operational current in DC DC21A 48V A 20 DC21A 48V A 20 Expenses DC23A (poles in series) DC23A (poles in series) 24V A 20 (1) 48V A 20 (2) 60V A 20 (1) 48V A 20 (2) 60V A 20 (2) 60V A 20 (2) 60V A 20 (2) 60V A 10 (3) <td< td=""><td></td><td></td><td>UL/CSA</td><td></td><td>15</td></td<>			UL/CSA		15
Rated short time current Icw	Rated operational voltage			V	440
Rated short time current Icw	Maximum fuse size for short-circuit protection In (gG)				
The content is a content in the co			25kA	Α	16
AC1/AC21A	Rated short time currer	nt Icw			
AC1/AC21A			1s	Α	250
AC15 AC15 110V A 10 220/230V A 8 660/690V A 3.7 Rated operational power in AC Single-phase AC-3 Three-phase AC23A 380/440V kW 3 Three-phase AC23A 380/440V kW 3.5 Rated operational current in DC DC21A A8V A 20 60V A 20 110V A 4 60V A 20 1110V A 4 440V A 0.25 DC23A (poles in series) A8V A 20 (1) 48V A 20 (2) 60V A 20 (3) 110V A 4 48V A 20 (2) 60V A 20 (3) 110V A 10 (3) 220V A 8 (4) DC13 CC13 CC13 CC14 A8V A 20 A8V A 20 (2) 60V A 20 (3) 110V A 10 (3) 220V A 8 (4) DC13 CC24 A8V A 20 A8V A 20 A8V A 20 (3) A8V A 20 (3) A8V A 12 A8V A 20 A8V A 20 A8V A 20 A8V A 20 (3) A8V A 10 (3) A8V A 10 (3) A8V A 20 A8V A 10 (3) A8V A 10 (4) A8V A 10	Operational current le l	EC/EN			
AC15 110V		AC1/AC21A			
110V				Α	20
Rated operational power in AC Single-phase AC-3 380/440V kW 3		AC15			
Rated operational power in AC Single-phase AC-3 380/440V kW 3			110V	Α	10
Rated operational power in AC Single-phase AC-3 380/440V kW 3			220/230V	Α	8
Single-phase AC-3 380/440V kW 3			660/690V	Α	3.7
Single-phase AC-3 380/440V kW 3	Rated operational power in AC				
Three-phase AC23A 380/440V kW 3					
Single-phase AC23A Single-		ŭ 1	380/440V	kW	3
Single-phase AC23A Single-		Three-phase AC23A			
Rated operational current in DC DC21A 48V A 20 60V A 440V A 440V A 440V A 440V A 440V A 420 60V A 420 60V A 440V A 440V A 420 60V		·	380/440V	kW	7.5
Rated operational current in DC DC21A 48V A 20 60V A 440V A 440V A 440V A 440V A 440V A 420 60V A 420 60V A 440V A 440V A 420 60V		Single-phase AC23A			
DC21A 48V A 20 60V A 20 110V A 440V A 0.25 DC23A (poles in series) 24V A 20 (1) 48V A 20 (2) 60V A 20 (3) 110V A 10 (3) 220V A 8 (4) DC13 24V A 20 48V A 20 60V A 20 (3) 110V A 10 (3) 220V A 8 (4) DC13 24V A 20 48V A 16 60V A 12 110V A 16 60V A 12 110V A 16 60V A 12 110V A 1 220V A 0.4 440V A 0.15 Mechanical features Terminals screw M3 Tightening torque for terminals max		<u> </u>	380/440V	kW	3.5
DC21A 48V A 20 60V A 20 110V A 440V A 0.25 DC23A (poles in series) 24V A 20 (1) 48V A 20 (2) 60V A 20 (3) 110V A 10 (3) 220V A 8 (4) DC13 24V A 20 48V A 20 60V A 20 (3) 110V A 10 (3) 220V A 8 (4) DC13 24V A 20 48V A 16 60V A 12 110V A 16 60V A 12 110V A 16 60V A 12 110V A 1 220V A 0.4 440V A 0.15 Mechanical features Terminals screw M3 Tightening torque for terminals max	Rated operational curre	ent in DC			
Comparison of	•				
Comparison of			48V	Α	20
Mechanical features M3 Mm O.85 M8 M8 M8 M8 M8 M9 M9					
DC23A (poles in series)			110V	Α	4
24V			440V	Α	0.25
24V		DC23A (poles in series)			
A8V A 20 (2)		,	24V	Α	20 (1)
Comparison of the comparison					
110V A 10 (3) 220V A 8 (4) DC13			60V	Α	
DC13 220V A 8 (4)			110V	Α	
DC13 24V A 20 48V A 16 60V A 12 110V A 1 220V A 0.4 440V A 0.15 Mechanical features Terminals screw Tightening torque for terminals max Nm 0.8			220V	Α	
A8V A 16		DC13			
60V A 12 110V A 1 12 110V A 1 12 12 12 12 12 12			24V	Α	20
110V A 1 220V A 0.4 440V A 0.15			48V	Α	16
220V A 0.4 440V A 0.15 Mechanical features Terminals screw M3 Tightening torque for terminals max Nm 0.8				Α	12
Mechanical features440VA0.15Terminals screwM3Tightening torque for terminals maxNm0.8			110V	Α	1
Mechanical featuresTerminals screwM3Tightening torque for terminals maxNm 0.8				Α	
Terminals screw M3 Tightening torque for terminals max Nm 0.8			440V	Α	0.15
Tightening torque for terminals max Nm 0.8	Mechanical features				
					M3
Conductor size	Tightening torque for te	erminals max		Nm	0.8
	Conductor size				





	AWG - Rigid cable			
	Title Tilgia dabid	min	AWG	20
		Max	AWG	14
	AWG - Flexible cable			
		min	AWG	20
	Conductor size (IEC) - Flexible cable			_
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor	0.4014		
		240V	HP	3
		480V	HP	5
		600V	HP	5
	for single-phase motor			
		120V	HP	0.75
		240V	HP	1.5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protectio	n			
Frontal IP degree				IP65
Terminals IP degree				IP20
ETIM classification				
ETIM 8.0				EC001029 - Selector switch, complete