

ENERGY AND AUTOMATION

Product type designation SX20	.				0.400
Switching diagram Swit			GX20		
N° of elements					00
Contract characteristics Rated insulation voltage Ui IEC/EN V 690 UI/CSA V 600 V V V 600 V V V 600 V V V V V V V V V					
Rated insulation voltage Uimp					4
IEC/EN V 690					
Name	Rated insulation voltag	e UI	IEO/EN		000
Rated impulse withstand voltage Ulimp					
Conventional free air thermal current Ith	Data di inservica a svitla atau	advalle as I lines	UL/CSA		
Rated operational voltage V	<u>-</u>	-		KV	0
Rated operational voltage W 440	Conventional free air tr	nermal current ith	LII /00 A	۸	4.5
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 Single-phase AC23A 380/440V kW 3.5 Rated operational current in DC 48V A 20 DC21A 48V A 20 400V A 20 60V A 20 110V A 4 440V A 0.25 DC23A (poles in series) 24V A 20 (1) 48V A 20 (2) 60V A 20 110V A 14 40V A 10 (3) 20V	Data dan anational colta		UL/CSA		
Rated short time current low				V	440
Rated short time current low	Maximum fuse size for short-circuit protection In (gG)		051.4		4.0
The content in the	D () ()		25KA	А	16
AC1/AC21A	Rated short time currei	nt ICW			
AC1/AC21A 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 3.5 Single-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) A8V A 20 (2) 60V A 20 (3) 110V A 4 440V A 0.25 DC23A (poles in series) A8V A 20 (1) A8V A 20 (2) A8V A 20 (3) A8V A 20 (3) A8V A 20 (4) A8V A 20 (2) A8V A 20 (3) A8V A 20 (3) A8V A 20 (4) A8V A 20 (6) A8V A 20 (7) A8V A 20 (8) A8V A 16 A8V A		150/5N	18	A	250
A	Operational current le				
AC15 110V		AC1/AC21A			
110V				A	20
Rated operational power in AC Single-phase AC-3 Single-phase AC23A Single-phase AC23A		AC15	440)/		4.0
Rated operational power in AC Single-phase AC-3 380/440V kW 3					
Rated operational power in AC Single-phase AC-3 380/440V kW 3 Three-phase AC23A 380/440V kW 7.5 Single-phase AC23A 380/440V kW 3.5 Single-phase AC23A 48V A 20 20 20 20 20 20 20					
Single-phase AC-3 380/440V kW 3 Three-phase AC23A 380/440V kW 7.5 Three-phase AC23A 380/440V kW 7.5 Three-phase AC23A 380/440V kW 3.5 Three-phase AC23A 48V A 20 20 48V A 20 20 20 20 20 20 20	D		660/690V	А	3.7
Three-phase AC23A 380/440V kW 7.5	Rated operational pow				
Three-phase AC23A 380/440V kW 7.5		Single-phase AC-3	000/440		
Single-phase AC23A Single-			380/440V	KVV	3
Single-phase AC23A 380/440V kW 3.5		Three-phase AC23A	000/440		
Rated operational current in DC DC21A 48V A 20 60V A 440V A 20 110V A 440V A 0.25 0.25 0.25 0.23A (poles in series) 24V A 20 (1) 48V A 20 (2) 60V A 20 (3) 110V A 40 (3) 220V A 8 (4) 0.25		0:111-0001	380/440V	KVV	7.5
Rated operational current in DC 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 48V A 16 60V A 12 110V A 11 220V A 12 110V A 11 220V A 0.4 440V A 0.15 Mechanical features M3 Tightening torque for terminals max Nm 0.8		Single-phase AC23A	200/440\/	1-147	0.5
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 DC13 24V A 20 60V A 20 (3) 110V A 10 (3) 220V A 8 (4) DC13 24V A 20 48V A 10 (3) 220V A 12 110V A 16 60V A 12 110V A 16 60V A 12 110V A 1 220V A 12 110V A 1 220V A 0.4 440V A 0.15 Mechanical features Terminals screw M3 Tightening torque for terminals max Nm 0.8	Data dan anational arms	ant in DO	380/4401	KVV	3.5
A8V	Rated operational curre				
Comparison of the comparison		DC21A	401/	۸	20
110V					
A40V A 0.25					
DC23A (poles in series)					
24V		DC22A (polos in corios)	440 V	^	0.25
A8V A 20 (2)		DOZSA (poles III selles)	241/	Λ	20 (1)
Comparison of the comparison					
110V					
DC13					
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					
24V A 20 48V A 16 60V A 12 110V A 1 110V A 1 12 110V A 0.4 140V A 0.15		DC13			~ (· /
A8V A 16			24\/	Α	20
60V A 12 110V A 1 12 110V A 1 12 12 12 12 12 12					
110V A 1 220V A 0.4 440V A 0.15					
220V A 0.4 440V A 0.15 Mechanical features Terminals screw M3 Tightening torque for terminals max Nm 0.8					
Mechanical features440VA0.15Terminals screwM3Tightening torque for terminals maxNm0.8					
Mechanical featuresTerminals screwM3Tightening torque for terminals maxNm0.8					
Terminals screw M3 Tightening torque for terminals max Nm 0.8	Mechanical features				
					M3
	Tightening torque for te	erminals max		Nm	0.8





ENERGY AND AUTOMATION

	AWG - Rigid cable			
	•	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-	on-line control			
	for three-phase motor			
		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 & Protection	n			
Frontal IP degree				IP65
Terminals IP degree				IP20
ETIM classification				
				EC001029 -
ETIM 8.0				Selector switch,
				complete