

ENERGY AND AUTOMATION

Product designation				Rotary cam
_				switches
Product type designation General characteristics				7GN20
Switching diagram				108 - Multi-step 0-1-2-3 1 pole
N° of elements				2
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstan			kV	6
Conventional free air th	ermal current Ith		_	
		IEC/EN	A	20
Data dan anational colta		UL/CSA	A V	20
Rated operational volta				480
Rated operational impu	-		kV	4
Maximum ruse size ioi	short-circuit protection In (gG)	10kA	Α	20
		15kA	A	16
		25kA	A	16
Rated short time currer	nt Icw			
		1s	Α	250
Conductivity				10/5 mA/V
Operational current le IEC/EN				
	AC1/AC21A			
			Α	20
	AC15			
		110V	Α	10
		220/230V	Α	8
		380/400V	A	6
Data Lancarda del con		660/690V	A	1.5
Rated operational power				
	Three-phase AC-3	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	5.5
	Single-phase AC-3	000/0001	1000	0.0
	Cingle phase / C c	110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A			
		220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			_
		110V	kW	0.8
		220/230V	kW	2.5



ENERGY AND AUTOMATION

Rated operational current in DC	. <u></u>		380/440V	kW	3.7
ABV	Rated operational curr				
BOV		DC21A		_	
1100					
Part					
DC23A (poles in series) 24V					
DC23A (poles in series)					
A		DC23A (polos in sorios)	440 V	A	0.25
ABV		DOZSA (poles ili selles)	24\/	Δ	20 (1)
Conductor size (IEC) - Flexible cable					
110V					
DC13					
DC13					
Power dissipation		DC13			- (')
ABV			24V	Α	20
Conductor size (IEC) - Flexible cable Max					
Power dissipation			60V	Α	
Power dissipation					
Power dissipation W 0.8 Mechanical features W Temminals screw Ma Ma Ma Ma Ma Ma Ma M				Α	
Machanical features			440V	Α	0.15
Terminals screw M3 Nm 0.5				W	0.8
Tightening torque for terminals max					MO
AWG - Rigid cable				Nima	
AWG - Rigid cable min		erminais max		NM	0.5
AWG - Flexible cable	Conductor size	ANNO District cable			
Max AWG 12 AWG - Flexible cable min AWG 20 Max AWG 14 AWG 20 Max Mm² 2.5 Max Mm²		AVVG - Rigid cable		A1A/C	20
AWG - Flexible cable min					
Max AWG 20 Max AWG 14 AWG 20 Max AWG 14 AWG 20 Max AWG 14 AWG 20 Max AWG AW		AVAC Flovible cable	IVIAX	AWG	12
Max AWG 14 Conductor size (IEC) - Flexible cable		AWG - Flexible cable	min	ΛMG	20
Conductor size (IEC) - Flexible cable					
Max mm² 0.5 Max mm² 2.5		Conductor size (IEC) - Flexible cable	IVICA	AVVO	
Max mm² 2.5		Obliquetor Size (IEO) Trickible cable	min	mm²	0.5
Conductor size (IEC) - Rigid cable					
Max min Max mm² 2 0.5 Max Mechanical life cycles 5x10° UL technical data Motor power for direct-on-line control 120V HP 1.5 240V HP 3 3 480V HP 7.5 600V HP 10 for single-phase motor 120V HP 0.75 240V HP 2 Ambient conditions Temperature Operating temperature min °C -25		Conductor size (IEC) - Rigid cable	West		
Mechanical life cycles 5x10e UL technical data Motor power for direct-on-line control 120V HP 1.5 240V HP 3 3 480V HP 7.5 600V HP 10 for single-phase motor 120V HP 0.75 240V HP 2 Ambient conditions Temperature Operating temperature min °C -25			min	mm²	0.5
Mechanical life cycles 5x10 ⁶ UL technical data Motor power for direct-on-line control 120V HP 1.5 240V HP 3 480V HP 7.5 600V HP 10 for single-phase motor 120V HP 0.75 240V HP 2 Ambient conditions Temperature Operating temperature					
Motor power for direct-on-line control 120V	Mechanical life				
Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 480V HP 7.5 600V HP 10 for single-phase motor 120V HP 0.75 240V HP 2 Ambient conditions Temperature Operating temperature min °C -25					
for three-phase motor 120V		on-line control			
120V	-				
240V		·	120V	HP	1.5
600V HP 10			240V	HP	3
for single-phase motor 120V HP 0.75 240V HP 2 Ambient conditions Temperature Operating temperature min °C -25			480V	HP	
120V HP 0.75 240V HP 2 Ambient conditions Temperature Operating temperature min °C -25		. <u></u> ,	600V	HP	10
Ambient conditions Temperature Operating temperature min °C -25		for single-phase motor			
Ambient conditions Temperature Operating temperature min °C -25			120V	HP	0.75
Temperature Operating temperature min °C -25			240V	HP	2
Operating temperature min °C -25					
min °C -25	Temperature				
		Operating temperature			
max °C +55					
			max		+55





Storage temperature			
5	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
ETIM classification			
ETIM 8.0			EC001029 - Selector switch, complete