



ENERGY AND AUTOMATION

Product designation				Rotary cam
-			switches 7GN125	
Product type designation General characteristics			7GN125	
Switching diagram				108 - Multi-step 0-1-2-3 1 pole
N° of elements				2
Mounting form				U - Front mounting with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
Data d important with atom	d valtaga l lima	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith			KV	0
Conventional free all th	ermai current iui	IEC/EN	Α	125
		UL/CSA	Α	130
Rated operational volta	ge		V	690
Rated operational impu			kV	6
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	125
		15kA	Α	100
		25kA	A	100
		50kA	A	100
Rated short time currer	at low	63kA	Α	100
Rated Short time currer	It ICW	1s	Α	2100
Conductivity		13		10/5 mA/V
Operational current le IEC/EN				
•	AC1/AC21A			
			Α	125
	AC15			_
		110V	Α	40
		220/230V	Α	28
		380/400V	Α	15
Data dan anational norm	i - A C	660/690V	Α	5
Rated operational power	Three-phase AC-3			
	Tillee-pilase AC-3	220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3			
	•	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
	Three-phase AC23A			
		220/230V	kW	30
		380/440V	kW	45
	Cingle phase ACO2A	500/690V	kW	37
	Single-phase AC23A	110V	P/V/	5
		220/230V	kW kW	5 11
		220/200 V		



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		380/440V	kW	15
Rated operational curre	ent in DC	33371131		
·	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)			
		24V	Α	125 (1)
		48V	Α	125 (2)
		60V	Α	125 (3)
		110V	Α	50 (3)
		220V	Α	20 (4)
	DC13			
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	A	4
Power dissipation			W	6.3
Mechanical features				140)/=
Terminals screw				M2X5
Tightening torque for to	erminals max		Nm	2
Conductor size	AMO Biritarda			
	AWG - Rigid cable		414/0	4.4
		min	AWG	14
	ANNO EL III.	Max	AWG	1/0
	AWG - Flexible cable		414/0	4.4
		min	AWG	14
	O	Max	AWG	1/0
	Conductor size (IEC) - Flexible cable		2	0.5
		min	mm²	2.5
	Conductor sine (IEC) Digid coble	Max	mm²	50
	Conductor size (IEC) - Rigid cable	min	mama <sup>2</sup>	2.5
		min May	mm²	2.5
Mechanical life		Max	mm²	50 1X10 <sup>6</sup>
UL technical data			cycles	IX IU
Motor power for direct-	-on-line control			
motor power for undet	for three-phase motor			
	is. alloo phase motor	120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor			· · ·
	.s. single phase motor	120V	HP	5
		240V	HP	15
Ambient conditions		2.01		
Temperature				
•	Operating temperature			
	, g p	min	°C	-25
		max	°C	+55
	Storage temperature			
	<del> </del>	min	°C	-40
		max	°C	+70





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Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
ETIM classification	
ETIM 8.0	EC001029 - Selector switch, complete