



ENERGY AND AUTOMATION

Product designation Product type designation			Rotary cam switches 7GN125
General characteristics			
Switching diagram			53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements			3
Mounting form			U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	125 130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA 50kA 63kA	A A A A	125 100 100 100 100
Rated short time current lcw	1s	kA	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	125
AC15			_
	110V	Α	40
	220/230V	A	28
	380/400V 660/690V	A A	15 5
Rated operational power in AC	000/090 V		<u> </u>
Three-phase AC-3			
es pilase / le e	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Single-phase AC-3			
	110V	kW	5
	220/230V	kW	11
Three phase AC22A	380/440V	kW	15
Three-phase AC23A			



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		220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	Single-phase AC23A	000/030 V	1000	
	Giligio priaco / (026/1	110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curre	ent in DC			_
•	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	A	50
Danna diada atian		110V	A	4
Power dissipation			W	6.3
Mechanical features Terminals screw				M2X5
Tightening torque for te	arminala may		Nm	2
rightening torque for te	HIIIIII AIS III AX		IMILI	/
			1 1111	
Conductor size				_ -
	AWG - Rigid cable	min		
		min Max	AWG	14
	AWG - Rigid cable	min Max		
		Max	AWG AWG	14 1/0
	AWG - Rigid cable	Max min	AWG AWG	14 1/0 14
	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	14 1/0
	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	14 1/0 14 1/0
	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	14 1/0 14
	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 1/0 14 1/0 2.5
	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 1/0 14 1/0 2.5
	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm²	14 1/0 14 1/0 2.5 50
	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	14 1/0 14 1/0 2.5 50
Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	14 1/0 14 1/0 2.5 50
Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	14 1/0 14 1/0 2.5 50
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm² mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	min Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	min Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG Mm² mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
Mechanical life UL technical data Motor power for direct-	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	min Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG Mm² mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40





Operating temperature

	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protectio	n			
Frontal IP degree				IP40
Terminals IP degree				IP00
ETIM classification				
ETIM 8.0				EC001029 - Selector switch, complete