

ENERGY AND AUTOMATION

Product designation			Enclosed rotary
Product type designation			cam switch 7GN25
General characteristics			7 61420
Switching diagram			85 - Multi-step 1- 2-3-4-6 1 pole
N° of elements			3
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			DIACK HAHGIE
Rated insulation voltage Ui			
·	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	02,007.	kV	6
Conventional free air thermal current Ith			
	IEC/EN UL/CSA	A A	25 30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	25
	15kA	Α	25
Date dich out time a comment land	25kA	Α	25
Rated short time current lcw	1s	kA	400
Conductivity	15	NΛ	10/5 mA/V
Operational current le IEC/EN			10/0 111/ 0 0
AC1/AC21A			
		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	A	8
Rated operational power in AC	660/690V	Α	2
Three-phase AC-3			
55 \$1,000 110 0	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3			
	110V	kW	1.5
	220/230V	kW	3
Three phase AC22A	380/440V	kW	5.5
Three-phase AC23A	220/230V	kW	6.5
	380/440V	kW	11
	500/440V 500/690V	kW	11
Single-phase AC23A		<u> </u>	
.	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5



ABV		DC21A			
BOV			48V	Α	25
1100					
DC23A (poles in series)					
DC23A (poles in series)					
1		DCCCA (nales in series)	220 V	A	0.7
ABV		DC23A (poles in series)	201		27 (4)
Conductor size (IEC) - Flexible cable Max					
110V					
DC13					
DC13				Α	12 (3)
A			220V	Α	10 (4)
A		DC13			
A			24V	Α	25
Conductor size (IEC) - Flexible cable Max					
110V					
Power dissipation					
Power dissipation					
Mechanical features Terminals screw M3.5 Tightening torque for terminals max Nm 0.8 Conductor size AWG - Rigid cable min AWG 20 Max AWG 10 <			220V		
Terminals screw				W	1.1
Tightening torque for terminals max	Mechanical features				
AWG - Rigid cable	Terminals screw				M3.5
AWG - Rigid cable	Tightening torque for t	terminals max		Nm	0.8
AWG - Rigid cable min Max AWG 20 Max AWG 12 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 4 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 4 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 4 Mechanical life cycles 5x10° UL technical data UL technical data Max mm² 4 Methanical life cycles 5x10° UL technical data Max mm² 4 Methanical life cycles 5x10° UL technical data Max mm² 4 Methanical life cycles 5x10° UL technical data Max mm² 4 Methanical life cycles 5x10° UL technical data cycles 5x10° Max mm² 4 Methanical life cycles cycles					
Max	0011440101 0120	AWG - Rigid cable			
AWG - Flexible cable AWG - Flexible cable cabl		AVVO - Nigia cable	min	۸۱۸/۵	20
AWG - Flexible cable					
Max AWG 20 Max AWG 12			Max	AWG	10
Max AWG 12 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 4 Max m² Max m² 4 Max m² M		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable			min	AWG	20
Max mm²			Max	AWG	12
Max mm²		Conductor size (IEC) - Flexible cable			
Max mm² 4		(),	min	mm²	0.5
Conductor size (IEC) - Rigid cable					
Mechanical life cycles 5x10° UL technical data Motor power for direct-on-line control 120V HP 3 3 240V HP 5 480V HP 10 600V HP 15 15 for single-phase motor 120V HP 15 for single-phase motor 120V HP 15 Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 min °C -40 max °C +70		Conductor size (IEC) Digid coble	IVIAA	111111	
Mechanical life cycles 5x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 3 240V HP 5 480V HP 10 600V HP 15 for single-phase motor 120V HP 1.5 240V HP 3 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 min °C -40 -40 max °C +70		Conductor size (IEC) - Rigid cable		•	o =
Mechanical life cycles 5x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 3 240V HP 10 600V HP 15 for single-phase motor 120V HP 1.5 240V HP 3 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70					
Motor power for direct-on-line control for three-phase motor 120V			Max	mm ²	
Motor power for direct-on-line control for three-phase motor 120V HP 3 240V HP 5 480V HP 10 600V HP 15 15 for single-phase motor 120V HP 1.5 240V HP 3 3 Ambient conditions 240V HP 3 Temperature min °C -25 Max °C +55 Storage temperature min °C -40 -40 max °C +70 +70	Mechanical life			cycles	5x10 ⁶
for three-phase motor 120V	UL technical data				
for three-phase motor 120V	Motor power for direct	t-on-line control			
120V					
240V			120\/	HP	3
480V HP 10 600V HP 15					
600V HP 15					
To single-phase motor					
120V		-	600V	HP	15
Ambient conditions		for single-phase motor			
Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70					
Operating temperature			240V	HP	3
Operating temperature	Ambient conditions				
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70	Temperature				
min °C -25 max °C +55 Storage temperature min °C -40 max °C +70	•	Operating temperature			
max °C +55 Storage temperature min °C -40 max °C +70		-1	min	°C	-25
Storage temperature min °C -40 max °C +70					
min °C -40 max °C +70		Otana na tama anatura	шах	<u> </u>	+33
max °C +70		Storage temperature		0	4.0
Resistance & Protection			max	°C	+70
	Resistance & Protecti	ion			





ENERGY AND AUTOMATION

Frontal IP degree	IP65
Terminals IP degree	IP00
ETIM classification	
ETIM 8.0	EC001029 - Selector switch, complete