

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 16A, **electric** FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM

ENERGY AND AUTOMATION FIXING

Product designation	_			Rotary cam switches
Product type designatio General characteristics	n			7GN125
General characteristics				56 - Changeover
Switching diagram				switch without 0 3 poles
N° of elements				3
Mounting form  Contact characteristics				U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Rated insulation voltage	16			
Nateu insulation voltage	OI .	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand			kV	6
Conventional free air the	ermal current Ith	IEC/EN UL/CSA	A A	125 130
Rated operational voltage	DE		V	690
Rated operational impul			kV	6
	short-circuit protection In (gG)			
	, ,	10kA	Α	125
		15kA	Α	100
		25kA	Α	100
		50kA	Α	100
		63kA	Α	100
Rated short time current	t Icw	1s	Α	2100
Conductivity				10/5 mA/V
Operational current le IE				
	AC1/AC21A			405
	AC45		Α	125
	AC15	110V	Α	40
		220/230V	A	28
		380/400V	A	15
		660/690V	Α	5
Rated operational powe	r in AC			_
·	Three-phase AC-3			
		220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3		1.357	_
		110V	kW	5
		220/230V 380/440V	kW kW	11 15
	Three-phase AC23A	300/4407	r.vv	10
	Three phase AOZOA	220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37



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	Single-phase AC23A			
	<b>5</b> 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	Α	50
		110V	Α	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for te	erminals max		Nm	2
Conductor size				
00.134.010. 0.20	AWG - Rigid cable			
	7.VVC Trigid dabid	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	TVICAX	7,1110	170
	7.TTC TICKING GUDIO	min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	TTIOX	7	.,,
	Conductor size (IEC) Trexiste duble	min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable	IVICA		
	Conductor size (IEC) Trigid cable	min	mm²	2.5
		Max	mm²	50
Mechanical life		TVICA	cycles	1X10 <sup>6</sup>
UL technical data			Oyolos	17(10
Motor power for direct-	on-line control			
Motor power for direct-	for three-phase motor			
	ioi tillee-pilase motol	120V	HP	15
		240V	HP	25
		480V		
		480V 600V	HP HP	50 40
	for single phase mater	000 v	ПГ	40
	for single-phase motor	120\/	Пυ	E
		120V	HP HP	5
Ambient conditions		240V	ПР	15
Ambient conditions				
Temperature				
	Operating temperature		۰.	05
		min	°C	-25
		max	°C	+55

### 7GN1256U12



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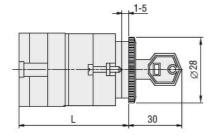
FIXING

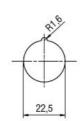
Storage	temperature	e

min	°C	-40
max	°C	+70

	 •	
Resistance & Protection		
Frontal IP degree	 	IP40
Terminals IP degree		IP00
Terrimas ir degree		11 00

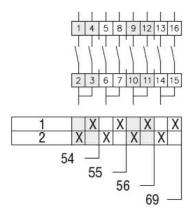
#### **Dimensions**





Carrian	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

## Wiring diagrams



# Certifications and compliance

### Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

### Certificates

EAC

UL

### ETIM classification

**ETIM 8.0** 

7GN1256U12

EC001029 -Selector switch, complete

3/3