



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 3 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN125
Switching diagram			56 - Changeover switch without 0 3 poles
N° of elements			3
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
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	A A A	125 100 100 100
B. I. I. I. I.	63kA	Α	100
Rated short time current Icw	1.	^	2400
Conductivity	1s	Α	2100 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 IIIA/ V
AC1/AC21A		А	125
AC15			123
	110V 220/230V 380/400V 660/690V	A A A	40 28 15 5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	18.5 37 33
Single-phase AC-3		<u> </u>	
	110V 220/230V 380/440V	kW kW kW	5 11 15
Three-phase AC23A	220,		
	220/230V 380/440V 500/690V	kW kW kW	30 45 37





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	Single-phase AC23A			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curr	rent in DC			
	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)			
	2 0 20 m (posed in costed)	24V	Α	125 (1)
		48V	A	125 (2)
		60V	A	125 (2)
		110V	A	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 to	erminals max		Nm	2
Conductor size	ommale max		1 1111	
Conductor Size	AMC Pigid coblo			
	AWG - Rigid cable			
	-		A \ A \ C	4.4
	-	min	AWG	14
		min Max	AWG AWG	14 1/0
	AWG - Flexible cable	Max	AWG	1/0
		Max min	AWG	1/0
	AWG - Flexible cable	Max	AWG	1/0
		Max min	AWG	1/0
	AWG - Flexible cable	Max min	AWG	1/0
	AWG - Flexible cable	Max min Max	AWG AWG AWG	1/0 14 1/0
	AWG - Flexible cable	Max min Max min	AWG AWG AWG	1/0 14 1/0 2.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG	1/0 14 1/0 2.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	1/0 14 1/0 2.5 50
Mechanical life	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
Mechanical life	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	1/0 14 1/0 2.5 50 2.5
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	1/0 14 1/0 2.5 50 2.5 50
UL technical data	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 cycles	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
UL technical data	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 cycles	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles	1/0 14 1/0 2.5 50 2.5 50 1X10°
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm² mm² cycles HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50
UL technical data	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 mm² mm² cycles	1/0 14 1/0 2.5 50 2.5 50 1X10°
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
UL technical data	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	AWG AWG AWG mm² mm² cycles HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50
UL technical data	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 cycles HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
UL technical data	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 cycles HP HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
UL technical data Motor power for direct	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 cycles HP HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
UL technical data Motor power for direct	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
UL technical data Motor power for direct	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 120V 240V	AWG AWG AWG mm² mm² cycles HP HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40 5 15
UL technical data Motor power for direct	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40

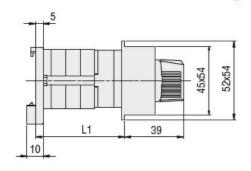




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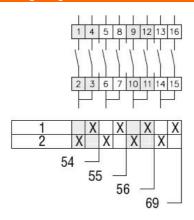
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions



Series	L1			
Series	1	2	3	
7GN12	38.1	47.8	57.5	
7GN20	38.1	47.8	57.5	
7GN25	42.5	56.1	69.7	

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

EC001029 -Selector switch, complete