



ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 40A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Product designation  Product type designation	on			Rotary cam switches 7GN40
General characteristics				70140
Switching diagram				11 - 3-phase motor reversing switch
N° of elements				3
Mounting form				U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Contact characteristics				
Rated insulation voltag		IEC/EN UL/CSA	V V	690 600
Rated impulse withstar	<u> </u>		kV	6
Conventional free air th	ermal current Ith	IEC/EN UL/CSA	A A	40 50
Rated operational volta	ige		V	480
Rated operational impu	ulse voltage		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	40
		15kA	Α	40
		25kA	A	40
		50kA 63kA	A A	40 40
Rated short time currer	nt Icw	00101		
		1s	kA	1000
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	40
	AC15	·	_	0.5
		110V	A	25
		220/230V	A	22 12
		380/400V 660/690V	A A	2
Rated operational pow	er in AC	000/030 V		
rated operational pow	Three-phase AC-3			
		220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	15
	Single-phase AC-3	-		
		110V	kW	3
		220/230V	kW	6.5
	The state of Coope	380/440V	kW	8
	Three-phase AC23A	000/0001	1.1.67	0
		220/230V 380/440V	kW kW	8 18.5
		500/690V	kW	22
			17 4 4	





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	Single-phase AC23A			
	emigra primada / id=a/ i	110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curi	rent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	A	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	A	12 (4)
	DC40	2201		14 (7)
	DC13	2.01		40
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features			VV	2.0
				N 4 4
Terminals screw				M4
Tightening torque for t	terminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
	3	min	AWG	16
		111111		
	ANA/O Florible coble	Max	AWG	8
	AWG - Flexible cable	Max	AWG	8
	AWG - Flexible cable	Max min	AWG	16
	AWG - Flexible cable	Max	AWG	8
	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min	AWG	16
		Max min Max	AWG AWG AWG	16 10
		Max min Max min	AWG AWG AWG	16 10 1.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	16 10
		Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 6
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 6
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	8 16 10 1.5 6 1.5
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 6
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	8 16 10 1.5 6 1.5
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	8 16 10 1.5 6 1.5
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max	AWG AWG AWG  mm² mm²  mm²  mm²	8 16 10 1.5 6 1.5
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG  mm² mm²  mm² cycles	8 16 10 1.5 6 1.5 10 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max	AWG AWG AWG  mm² mm² cycles	8 16 10 1.5 6 1.5 10 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max  120V 240V	AWG AWG AWG  mm² mm² cycles	8 16 10 1.5 6 1.5 10 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG  mm² mm² cycles  HP HP	16 10 1.5 6 1.5 10 5x10 <sup>6</sup>
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UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	8 16 10 1.5 6 1.5 10 5x10 <sup>6</sup> 5 10 20 20
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UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	8 16 10 1.5 6 1.5 10 5x10 <sup>6</sup> 5 10 20 20
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UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	8 16 10 1.5 6 1.5 10 5x10 <sup>6</sup> 5 10 20 20
UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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	16 10 1.5 6 1.5 10 5x10 <sup>6</sup> 5 10 20 20
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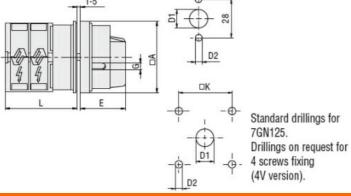


Resistance & Protection
Frontal IP degree
Terminals IP degree

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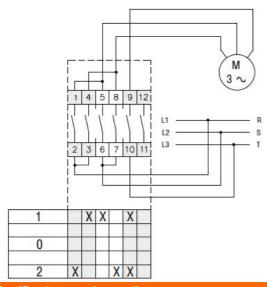
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	
			IP00	

#### **Dimensions**



Carias	Dimensions					L				
Series	□A	D1	D2	Е	G	□K	1	2	3	12
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

### 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

cCSAus

# Certificates

cCSAus EAC UL

#### ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete