

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, STAR-DELTA MOTOR STARTER SWITCH 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Product designation Product type designation			Enclosed rotary cam switch 7GN40	
General characteristics				
Switching diagram			12 - Star-delta motor starter switch	
N° of elements			4	
Mounting form			P - Plastic enclosure with black handle	
Contact characteristics				
Rated insulation voltage Ui				
	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage Uimp		kV	6	
Conventional free air thermal current Ith				
	IEC/EN	Α	40	
	UL/CSA	Α	50	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection In (gG)				
	10kA	Α	40	
	15kA	Α	40	
	25kA	Α	40	
	50kA	Α	40	
	63kA	Α	40	
Rated short time current Icw	_			
	1s	kA	1000	
Conductivity			10/5 mA/V	
Operational current le IEC/EN				
AC1/AC21A			40	
10.17		Α	40	
AC15	44014		0.5	
	110V	A	25	
	220/230V	Α	22	
	380/400V	A	12	
Detect executional values in AO	660/690V	Α	2	
Rated operational power in AC				
Three-phase AC-3	200/2001	1.1.4.7	0	
	220/230V	kW	8	
	380/440V	kW	15	
Single These AC 2	500/690V	kW	15	
Single-phase AC-3	4401/	1.1.1.1	2	
	110V	kW	3	
	220/230V 380/440V	kW kW	6.5	
Three-phase AC23A	300/4401	r.vv	8	
Trifee-priase AC23A	220/230V	kW	8	
	380/440V	kW kw	18.5	
Single phase AC22A	500/690V	kW	22	
Single-phase AC23A	4401/	1.11/1	2	
	110V 220/230V	kW kW	3	
	ZZU/Z3UV	۲۸۷۷	6	



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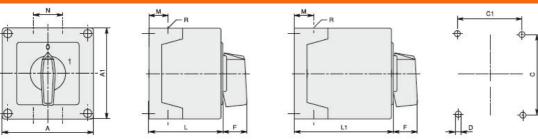
		380/440V	kW	11
Rated operational curr	rent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)	2.07	_	10 (1)
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V 220V	A	20 (3)
	DC13	2201	A	12 (4)
	DC13	24V	۸	40
		24 V 48 V	A A	40 32
		60V	A	16
		110V	A	3
Power dissipation		1100	W	2.0
Mechanical features			V V	<u></u>
Terminals screw				M4
Tightening torque for t	erminals max		Nm	1.2
Conductor size				
00.1.440.10.10.10.10	AWG - Rigid cable			
	71110 Trigita dabie	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			_
	,	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct				
	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			_
		120V	HP	2
A colling to		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature		°C	0.F
		min	°C	-25 - 5
	Characte to manage to mana	max	°C	+55
	Storage temperature	!	°C	40
		min	°C	-40 -70
		max		+70

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ENERGY AND AUTOMATION

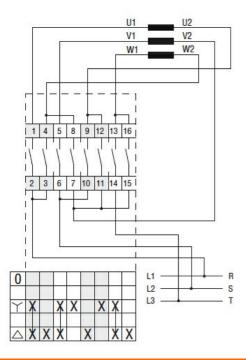
Resistance & Protection Frontal IP degree Terminals IP degree IP00

Dimensions



Series	Enclosure size	Number o	of elements	Dimensions					***	Cable	Protection				
		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25	1	1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0		0.00	100000	49400000	2000	100000				200000000000000000000000000000000000000	100000000000000000000000000000000000000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4							375.55					3100000000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	90.4	00	4.5	32	21	39.5	00.0	119.5	4XFG21	11-00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40		1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	1/3	140	112	5.5	32	21	00	04.3	110.5	2xPG11	11-00
7GN125		1	2							N.	L.	N.	N	L.	
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63]	1 - 3	4 - 6	100	234	120	190	5.5	32	35	10	121	1/5	2xPG11	11.00
7GN125		1-2	3 - 4		_										

Wiring diagrams



Certifications and compliance

Compliance



7GN4012P

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IEC/EN/BS 60947-1 IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete