

ROTARY CAM SWITCH 7GN SERIES, STAR-DELTA MOTOR STARTER SWITCH 63A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Product designation			Rotary cam switches
Product type designation			7GN63
General characteristics			
Switching diagram			12 - Star-delta motor starter switch
N° of elements			4
Mounting form			U - Front 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	Α	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	63
	15kA	A	63
	25kA	A	63
	50kA 63kA	A A	63 63
Rated short time current lcw	USKA		03
Traise short time current low	1s	kA	1600
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			10,011,00
AC1/AC21A			
		Α	63
AC15			
	110V	Α	32
	220/230V	Α	25
	380/400V	Α	15
	660/690V	Α	4
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	11
	380/440V	kW	18.5
	500/690V	kW	18.5
Single-phase AC-3	110V	kW	3.7
		kW	
	220/230V	KVV	6.5





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Three-phase AC23A 220/230V kW 1.5 220/230V kW 2.5 380/440V kW 30 30 300/690V kW 30 30 300/690V k					
			380/440V	kW	11.5
Single-phase AC23A 10		Three-phase AC23A			
Single-phase AC23A 110V			220/230V	kW	12.5
Single-phase AC23A			380/440V	kW	30
110V KW 3.7 220/230V KW 7.5 380/440V			500/690V	kW	30
Rated operational current in DC DC21A		Single-phase AC23A			
Rated operational current in DC DC21A			110V	kW	3.7
Rated operational current in DC DC21A			220/230V	kW	
Rated operational current in DC DC21A					
DC21A	Rated operational cui	rrent in DC			-
ABV					
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Con		202	48V	Α	63
110V A 8 1 120V A 1 1 120V A 1 1 1 1 1 1 1 1 1					
DC23A (poles in series)					
DC23A (poles in series)					
Part		DCCCA (nales in acrica)	2200	A	<u> </u>
ABV		DC23A (poles in series)	0.41/	۸	FO (4)
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Conduc					, ,
110V					
DC13					
DC13					
Power dissipation			220V	Α	15 (4)
A		DC13			
Power dissipation W 3.3			24V	Α	63
Power dissipation W 3.4			48V	Α	40
Power dissipation W 3.4			60V	Α	28
Power dissipation W 3.4				Α	
Mechanical features	Power dissipation				
Terminals screw M5					
Tightening torque for terminals max					M5
AWG - Rigid cable		terminals max		Nm	
AWG - Rigid cable min AWG 14 Max AWG 6					
Max AWG 14 Max AWG 6	Conductor Size	AWG - Pigid cable			
Max AWG 6 AWG - Flexible cable min AWG 14 Max AWG 8 AWG AWG		AVVO - Nigiti Cable	min	۸۱۸/۵	1.1
AWG - Flexible cable min AWG 14 Max AWG 8					
Max AWG 14 Max AWG 8			IVIAX	AVVG	6
Max AWG 8 Conductor size (IEC) - Flexible cable		AVVG - Flexible cable	-	A -	
Conductor size (IEC) - Flexible cable					
Max min mm² 2.5 Max mm² 10			Max	AWG	8
Max mm² 10		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable					
min Max mm² mm² mm² mm² mm² 16 2.5 mm² 16 Mechanical life cycles 5x106 UL technical data Motor power for direct-on-line control 120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 600V HP 25 for single-phase motor			Max	mm²	10
min Max mm² mm² mm² mm² mm² 16 2.5 mm² 16 Mechanical life cycles 5x106 UL technical data Motor power for direct-on-line control 120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 600V HP 25 for single-phase motor		Conductor size (IEC) - Rigid cable			
Mechanical life mm² 16 UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3		· · · · · · ·	min	mm²	2.5
Mechanical life				mm²	
UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3	Mechanical life				
Motor power for direct-on-line control for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3				.,	
for three-phase motor 120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3		t-on-line control			
120V HP 7.5 240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3	o.o. powor for direc				
240V HP 15 480V HP 25 600V HP 25 for single-phase motor 120V HP 3		ioi iiiiee-piiase iiioloi	120\/	ПD	7.5
480V HP 25 600V HP 25 for single-phase motor 120V HP 3					
for single-phase motor 120V HP 3					
for single-phase motor 120V HP 3					
120V HP 3			600\/	HP	25
			000 V	1 11	
240V HP 10		for single-phase motor		111	
		for single-phase motor			

IP00



ENERGY AND AUTOMATION

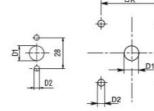
Terminals IP degree

Dimensions

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Ambient conditions Temperature Operating temperature °C -25 min °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree **IP40**

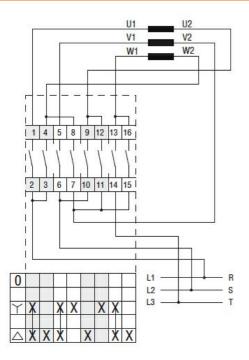
9 0



Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements													
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



Certifications and compliance

Compliance



7GN6312U

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	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	
	cCSAus
	EAC
	UL
ETIMAL 18 10 C	

ETIM classification

ETIM 8.0 EC001105 - Off-load switch