



ROTARY CAM SWITCH 7GN SERIES, STAR-DELTA MOTOR STARTER SWITCH 25A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Draduat designation			Rotary cam
Product designation			switches
Product type designation			7GN25
General characteristics Switching diagram			12 - Star-delta motor starter
N° of elements			switch 4
of elements			U47 - Snap on
Mounting form			fron mounting with black handle for hole diam. 22mm finxing
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	25
	UL/CSA	Α	30
Rated operational voltage		V	480
Rated operational impulse voltage	0)	kV	4
Maximum fuse size for short-circuit protection In (g	G) 10kA	Α	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		_	
		Α	25
AC15	440)/		4.0
	110V 220/230V	A A	16 12
	380/400V	A	8
	660/690V	A	2
Rated operational power in AC	233, 230 (
Three-phase AC-3			
•	220/230V	kW	5.5
	380/440V	kW	7.5
71.1.1.1.2.5	500/690V	kW	7.5
Single-phase AC-3	4401	1.147	4 5
	110V 220/230V	kW kW	1.5 3
	380/440V	kW	5 5.5
Three-phase AC23A	300/440 V	17 A A	0.0
	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A			
	110V	kW	1.5
	220/230V	kW	3.7





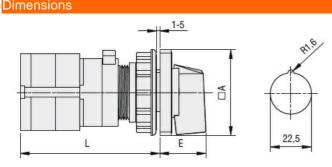
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		380/440V	kW	5.5
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)		_	
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
	B040	220V	Α	10 (4)
	DC13	0.41/	Δ.	0.5
		24V	A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				140.5
Terminals screw				M3.5
Tightening torque for to	erminals max ————————————————————————————————————		Nm	0.8
Conductor size				
	AWG - Rigid cable		_	
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable		_	
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			_
	Conductor size (IEC) - Rigid cable	min	mm²	0.5
	Conductor size (IEC) - Rigid cable	min Max	mm²	4
Mechanical life	Conductor size (IEC) - Rigid cable			
UL technical data			mm²	4
	-on-line control		mm²	4
UL technical data		Max	mm² cycles	5x10 ⁶
UL technical data	-on-line control	Max 120V	mm² cycles	4 5x10 ⁶
UL technical data	-on-line control	120V 240V	mm² cycles HP HP	3 5
UL technical data	-on-line control	120V 240V 480V	mm² cycles HP HP HP	3 5 10
UL technical data	-on-line control for three-phase motor	120V 240V	mm² cycles HP HP	3 5
UL technical data	-on-line control	120V 240V 480V 600V	mm² cycles HP HP HP HP	3 5 10 15
UL technical data	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	3 5 10 15
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor for single-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	3 5 10 1.5
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	4 5x10 ⁶ 3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP C°C	3 5 10 15 1.5 3
UL technical data Motor power for direct-	-on-line control for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V	mm² cycles HP HP HP HP HP	4 5x10 ⁶ 3 5 10 15 1.5 3



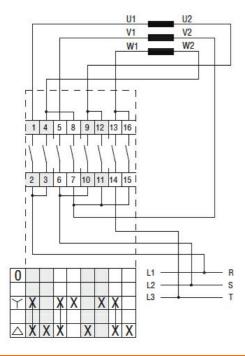
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	max	$^{\circ} C$	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Disconsisted			



Series	Dimensions		L			
	□A	Е	1	2	3	8
7GN12	48	26.5	58	67.7	77.4	125.9
7GN20	48	26.5	58	67.7	77.4	125.9
7GN25	48	26.5	62.4	76	89.6	157.6

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

cCSAus

EAC

UL



ENERGY AND AUTOMATION

7GN2512U47

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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete