

ROTARY CAM SWITCH 7GN SERIES, STAR-DELTA MOTOR STARTER SWITCH 20A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation Product type designation	on			Rotary cam switches 7GN20
General characteristics				7 01120
Switching diagram				12 - Star-delta motor starter switch
N° of elements				4
Mounting form				O - Rear mounting with black handle
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar	· ·		kV	6
Conventional free air th	nermal current Ith	150/51		
		IEC/EN	A	20
Dated an arctional valte		UL/CSA	A	20
Rated operational volta			V kV	480
Rated operational impu	short-circuit protection In (gG)		KV	4
Waxiiiiuiii luse size ioi	short-circuit protection in (gG)	10kA	Α	20
		15kA	A	16
		25kA	Α	16
Rated short time curre	nt Icw			
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
·	AC1/AC21A			
			Α	20
	AC15			_
		110V	Α	10
		220/230V	Α	8
		380/400V	Α	6
		660/690V	Α	1.5
Rated operational pow				
	Three-phase AC-3	220/230V	kW	2
		380/440V	kW	3 5.5
		500/690V	kW	5.5
	Single-phase AC-3	000/0001	1000	0.0
	g.o p	110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A			
		220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
Dotad anauthous laws	ant in DC	380/440V	kW	3.7
Rated operational curre	ent in DC			





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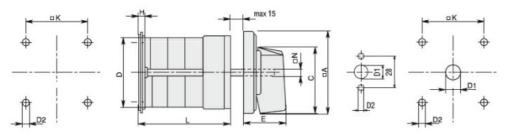
	DC21A	40) (
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			_
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				0.0
Terminals screw				M3
Tightening torque for te	arminals may		Nm	0.5
Conductor size	errilliais max		INIII	0.5
Conductor Size	AWC Bigid coble			
	AWG - Rigid cable		A1A/C	20
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	-on-line control			_
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
	.	120V	HP	0.75
		240V	HP	2
Ambient conditions		2.00		
Temperature				
· omporatoro	Operating temperature			
	Sporating temperature	min	°C	-25
			°C	-25 +55
	Storage temperature	max	U	TJJ
	Storage temperature		°C	-40
		min		-40

ENERGY AND AUTOMATION

Dimensions

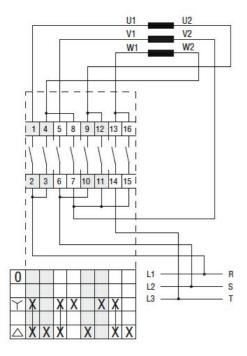
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	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00



Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	Е	Н	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	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

Certificates



7GN2012O

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cCSAus		
EAC		
UL		

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete