



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation				Enclosed rotary
-				cam switch
Product type designat General characteristic				7GN20
Switching diagram				135 - Multi-step 0-1-2 3 poles
N° of elements				3
Mounting form				P - Plastic enclosure with black handle
Contact characteristics	S			Diagn Hariaro
Rated insulation voltage	ge Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta	• •		kV	6
Conventional free air t	hermal current Ith			
		IEC/EN	Α	20
		UL/CSA	Α	20
Rated operational volt			V	480
Rated operational imp	<u> </u>		kV	4
Maximum fuse size fo	r short-circuit protection In (gG)			
		10kA	A	20
		15kA	A	16
Data Laboration of the second		25kA	Α	16
Rated short time curre	ent icw	4 -	1. 0	050
Conductivity		1s	kA	250
Conductivity	IFO/FN			10/5 mA/V
Operational current le	AC1/AC21A			
	ACT/ACZTA		Α	20
	AC15			20
	AC13	110V	Α	10
		220/230V	A	8
		380/400V	Α	6
		660/690V	Α	1.5
Rated operational pov	ver in AC			
	Three-phase AC-3			
	·	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	5.5
	Single-phase AC-3			
		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			0.0
		110V	kW	0.8
		220/230V	kW	2.5
Datad aparetic and	tent in DC	380/440V	kW	3.7
Rated operational curr	CIR III DO			





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	DC21A				
	DOZIA	48V	Α	20	
		60V	A	20	
		110V	A	4	
		220V	A	0.6	
		440V		0.6	
	DC22A (nolog in coriog)	440 V	Α	0.25	
	DC23A (poles in series)	241/	۸	20 (4)	
		24V	A	20 (1)	
		48V	A	20 (2)	
		60V	A	20 (3)	
		110V	Α	10 (3)	
		220V	Α	8 (4)	
	DC13	201			
		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					
Terminals screw				M3	
Tightening torque for te	erminals max		Nm	0.5	
Conductor size					
	AWG - Rigid cable				
	, o	min	AWG	20	
		Max	AWG	12	
	AWG - Flexible cable	Max	7,,,,		
	AVVO T TEXIBLE GABLE	min	AWG	20	
		Max	AWG	14	
	Conductor size (IEC) Flexible coble	IVIAX	AWG	14	
	Conductor size (IEC) - Flexible cable			0.5	
		min	mm²	0.5	
		Max	mm²	2.5	
	Conductor size (IEC) - Rigid cable				
	Conductor size (IEC) - Rigid cable				
	Conductor Size (IEO) Trigid cable	min	mm²	0.5	
	Trigid cable	min Max	mm²	2.5	
Mechanical life	Trigid cable				
UL technical data			mm²	2.5	
	-on-line control		mm²	2.5	
UL technical data		Max	mm² cycles	2.5 5x10 ⁶	
UL technical data	-on-line control	Max 120V	mm² cycles	2.5 5x10 ⁶	
UL technical data	-on-line control	120V 240V	mm² cycles HP	2.5 5x10° 1.5 3	
UL technical data	-on-line control	Max 120V	mm² cycles	2.5 5x10 ⁶	
UL technical data	-on-line control	120V 240V	mm² cycles HP	2.5 5x10° 1.5 3	
UL technical data	-on-line control	120V 240V 480V	mm² cycles HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5	
UL technical data	-on-line control for three-phase motor	120V 240V 480V	mm² cycles HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5	
UL technical data	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10	
UL technical data	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10	
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10	
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	2.5 5x10 ⁶ 1.5 3 7.5 10	
UL technical data Motor power for direct-	-on-line control for three-phase motor	120V 240V 480V 600V	mm² cycles HP HP HP HP	2.5 5x10 ⁶ 1.5 3 7.5 10	
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	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2	
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	2.5 5x10 ⁶ 1.5 3 7.5 10	
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	2.5 5x10 ⁶ 1.5 3 7.5 10 0.75 2	

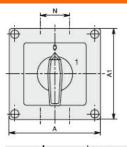


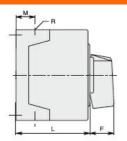
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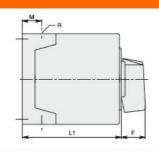
max °C +70

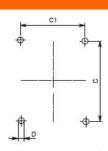
Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



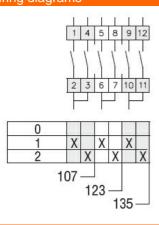






Series	Enclosure	Number o	f elements	Dimensions						Cable	Protection				
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	001		0.000	100000	10000000	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			3.55				33-2-5					30-30-30-17
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	05.5	119.5	417621	100
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	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	1100
7GN125		1	2							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	204	120	190	5.5	32	35	10	121	1/5	2xPG11	11.00
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification



7GN20135P

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ETIM 8.0

EC001029 -Selector switch, complete