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Product designation				Rotary cam
Product type designation				switches 7GN20
General characteristics				701120
Switching diagram				10 - ON/OFF
				switch 3 poles
N° of elements				2
Mounting form				P25 - Plastic
Mounting form				enclosure with red/yellow handle
Contact characteristics				
Rated insulation voltage Ui	i			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand v			kV	6
Conventional free air therm	nal current Ith			
		IEC/EN	A	20
		UL/CSA	A	20
Rated operational voltage			V	480
Rated operational impulse			kV	4
Maximum fuse size for sho	ort-circuit protection In (gG)	40144	٨	20
		10kA 15kA	A A	20 16
		25kA	A	16
Rated short time current lo	SW .	20174	Λ	10
		1s	А	250
Conductivity				10/5 mA/V
Operational current le IEC	/EN			
A	C1/AC21A			
			Α	20
AC	C15			
		110V	A	10
		220/230V	A	8
		380/400V 660/690V	A A	6 1.5
Rated operational power ir		000/090 v	A	1.0
	nree-phase AC-3			
11	liee-pliase A0-5	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	5.5
Si	ngle-phase AC-3			
		110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
Th	nree-phase AC23A			
		220/230V	kW	5

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		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cur	rrent in DC			
	DC21A			
	DOLIN	48V	А	20
		60V	A	20
		110V	A	4
		220V	A	4 0.6
		440V		
		440 V	A	0.25
	DC23A (poles in series)	0.01		22 (4)
		24V	A	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		1107	W	0.8
i ower alssipation				0.0
Mechanical features				
Mechanical features				
Terminals screw	terminals max			M3
Terminals screw Tightening torque for	terminals max		Nm	
Terminals screw				M3
Terminals screw Tightening torque for	terminals max AWG - Rigid cable		Nm	M3 0.5
Terminals screw Tightening torque for		min	Nm	M3 0.5 20
Terminals screw Tightening torque for	AWG - Rigid cable	min Max	Nm	M3 0.5
Terminals screw Tightening torque for		Max	Nm AWG AWG	M3 0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	Nm AWG AWG AWG	M3 0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	Nm AWG AWG	M3 0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	Nm AWG AWG AWG	M3 0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	Nm AWG AWG AWG	M3 0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max	Nm AWG AWG AWG AWG	M3 0.5 20 12 20 14
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG mm ²	M3 0.5 20 12 20 14 0.5
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG mm ²	M3 0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	Nm AWG AWG AWG AWG mm ² mm ² mm ²	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	Nm AWG AWG AWG AWG mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	Nm AWG AWG AWG AWG mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	Nm AWG AWG AWG AWG mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ct-on-line control for three-phase motor	Max min Max min Max min Max	Nm AWG AWG AWG Mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V 600V	Nm AWG AWG AWG mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable ct-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	Nm AWG AWG AWG AWG mm ² mm ² mm ² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5

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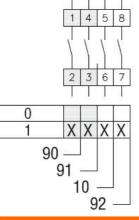
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ENERGY AND AUTOMATION

Ambient conditions Temperature

Temperature																	
rompora	lare		Opera	tina te	mpera	ature											
													n	nin	°C	-25	
																+55	
			Storag	ie tem	perati	ure											
													n	nin	°C	-40	
																+70	
Resistan	ce & Pr	otectior	า												-		
Frontal IF																IP65	
Terminal																IP00	
Dimensio		JICC														11 00	
Dimensio	N		м					м									
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Series	Enclosure	Number o	felements						nsions					Cable entry	Protection degree		
7GN12	size 75x75	L 1-2	L1 3 - 4	A	A1	C	C1	D	F	М	N	L	L1	entry	aegree		
7GN12	/5X/5	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 7GN25		1-3	4 - 6 3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65		
7GN32	1	1-2	3-4	50	30	13	05	4.5	25	13	50	11.5	30.5	471010	1105		
7GN40		1	2-3	1													
7GN12	110x110	1-4	5-8														
7GN20 7GN25	-	1-4	5 - 8 4 - 5														
7GN23		1-3	4-5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65		
7GN40	1	1-2	3-5	1													
7GN63		1-2	3 - 4														
7GN32 7GN40	125x175	1-3 1-2	4 - 5 3 - 4											4xPG21			
7GN40 7GN63	1	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	2xPG11	IP65		
7GN125		1	2											Extra in			
7GN32	180x254	1 - 5	6 - 8														
7GN40	4	1-4	5-7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65		
7GN63 7GN125		1-3	4-6											2xPG11			
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Wiring diagrams



Certifications and compliance Compliance

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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		EC001105 - Off-

load switch

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