CONSERVICE AND AUTOMATION



Draduat designation			Rotary cam
Product designation			switches
Product type designation			7GN63
General characteristics			
Switching diagram			10 - ON/OFF
			switch 3 poles
N° of elements			2 P - Plastic
Mounting form			enclosure with
Woonling form			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	63
	UL/CSA	А	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	63
	15kA	A	63
	25kA	A	63
	50kA	A	63
	63kA	A	63
Rated short time current Icw			4000
Or a durativity	1s	kA	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	63
AC15		A	03
A013	110V	А	32
	220/230V	A	25
	380/400V	A	15
	660/690V	A	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
	220/230V	kW	6.5
	380/440V	kW	11.5

7GN6310P

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



7GN6310P electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

	Three-phase AC23A	220/230V	kW	12.5
		380/440V	kW	30
			kW	30
	Cingle phase AC22A	500/690V	KVV	30
	Single-phase AC23A	4401/		0.7
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curre				
	DC21A			
		48V	А	63
		60V	А	50
		110V	А	8
		220V	А	1
	DC23A (poles in series)			
		24V	А	50 (1)
		48V	А	50 (2)
		60V	A	50 (3)
		110V	А	25 (3)
		220V	A	15 (4)
	DC13	2201		
	0013	24V	۸	63
			A	
		48V	A	40
		60V	A	28
		110V	A	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for te	erminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	6
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable	max		~
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) Digid coble	ινιαλ		10
	Conductor size (IEC) - Rigid cable		mm ²	2.5
		min	mm²	2.5
		Max	mm²	16
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-				
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			
		120V	HP	3
		240V	HP	10
Ambient conditions		2101		
- inbioin oonalions				

7GN6310P

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

7GN6310P

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 63A IN PLASTIC

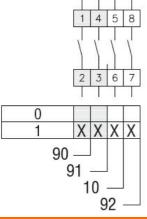
ENERGY AND AUTOMATION

ENCLOSURE 125X175MM WITH BLACK HANDLE

Temperature

Operating temperature																	
			•	0									n	nin	°C	-25	
															°Č	+55	
			01000											ал	C	+JJ	
			Storag	e tem	perati	lre											
													n		°C	-40	
													m	ax	°C	+70	
Resistan	ce & Pr	otectior	า														
Frontal II	P degre	е														IP65	
Terminal	-															IP00	
Dimensio		,															
Dimonore	N		м	2324.9				м					C1				
	· ·	85	-	R			1	~	R			F	- 01	>			
∲_		(+				-	- '				Ý	2 F	-\$7	ł		
					5	-		ſ					2				
							T							0			
	TIF				K					k							
ė I		÷.	-		1	_	-	-		Ĩ	-	\$		- — -			
-	A		-	i L		F		_ i	L1		F	'	D	т			
-							1	-		-		-11	7				
Series	Enclosure	Number o	f elements			0	04	Dimer						Cable	Protection degree		
7GN12		L 1-2	L1 3 - 4	A	A1	C	C1	D	F	M	N	L	L1	entry	ueyree		
7GN20	75x75	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65		
7GN25	1	1	2-3		10	00		4.0	10	14	20	01.0	10.0	1/1 010.0			
7GN12	90x90	1-3	4 - 6														
7GN20]	1-3	4 - 6	2003	2002	1000	152-15	34235220	10010	1000	2472			0004040488	10000000		
7GN25	4	1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65		
7GN32 7GN40	-	1-2	3-4														
7GN40 7GN12	110x110	1 1-4	2-3 5-8			-		-								,	
7GN20	TIUXIIU	1-4	5-8														
7GN25	1	1-3	4 - 5									05.5	440 5	4 5004	1005		
7GN32	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65		
7GN40		1-2	3 - 5														
7GN63		1-2	3 - 4														
7GN32 7GN40	125x175	1-3	4-5											4 0004			
7GN40 7GN63	-	<u>1 - 2</u> 1 - 2	3 - 4 3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65		
7GN125	1	1	2											En un			
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	0.0	52	35	10	121	175	2xPG11	1100		
7GN125	+	1-2	3 - 4												ļ		
Wiring di	ograma																

Wiring diagrams



Certifications and compliance Compliance

IEC/EN/BS 60947-1

7GN6310P



7GN6310P EIECTIC ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

ENERGY AND AUTOMATION

	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification		
ETIM 8.0		EC001105 - Off-

load switch

7GN6310P