

# **7GN2084P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation				Enclosed rotary
Product type designat	ion			cam switch 7GN20
General characteristic				7 GIN20
Switching diagram				84 - Multi-step 1- 2-3-4-5 1 pole
N° of elements				3
Mounting form				P - Plastic enclosure with black handle
Contact characteristics	3			DIACK HANDLE
Rated insulation voltag				
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta	nd voltage Uimp		kV	6
Conventional free air the	hermal current Ith			
		IEC/EN	А	20
		UL/CSA	A	20
Rated operational volt			V	480
Rated operational imp			kV	4
Maximum fuse size for	r short-circuit protection In (gG)		•	00
		10kA 15kA	A A	20 16
		25kA	A	16
Rated short time curre	nt Icw	2017	~	10
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
-	AC1/AC21A			
			А	20
	AC15			
		110V	А	10
		220/230V	A	8
		380/400V	A	6
Deted an enetienel new		660/690V	A	1.5
Rated operational pow				
	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		1.1.47	0.0
		110V	kW	0.8
		220/230V 380/440V	kW kW	2.5 3.7
Rated operational curr	ent in DC	30U/44UV	r v v	5.1

### Rated operational current in DC

7GN2084P



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

	DC21A			
	DOLIN	48V	А	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V	Λ	0.20
	DCZ3A (poles in series)	24V	А	20 (1)
		48V	A	20 (1)
		48V 60V		
		110V	A	20 (3)
		220V	A	10 (3)
	DC13	2201	A	8 (4)
	DC13	241/	^	20
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	А	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	-	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	Max		2.0
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIAA	cycles	5x10 <sup>6</sup>
UL technical data			Cycles	5710
Motor power for direc	t on line control			
	for three-phase motor	4001/	ЦБ	1 5
		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				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
	Storage temperature	min	°C	-40

7GN2084P

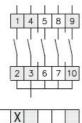
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

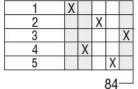


## **7GN2084P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

													m	ax	°C	+70	
Resistance & Protection																	
Frontal IF	Frontal IP degree													IP65			
Terminal	inals IP degree															IP00	
Dimensio		,															
	< N 🚽		M					_M					C1				
à	1	is t		R					R			ľ					
ଡ଼_่		<b>•</b>	+		6		-										
	Å.				5	0				-							
	417.		-									_		o			
	JIV																
. L	<u> </u>				Ā					1							
<del>0</del>		<b>•</b>	+				-	- 🗋				Ħ		- <del>_</del> _	L .		
*	A	-	-	L		F	ļ	-	L1		F >	-	-D				
		Number	f elements					Dimer	alana								
Series	Enclosure size	L	L1	A	A1	С	C1	Dime	F	M	N	L	L1	Cable entry	Protection degree		
7GN12	75x75	1-2	3 - 4			-										ļ.	
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 7GN25		1-3	4 - 6 3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65		
7GN32		1-2	3-4	50	30	15	00	ч.J	25	13	50	71.5	30.5	471,010	1105		
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 7GN40		1-3	4 - 5 3 - 5														
7GN40		1-2	3-5														
7GN32	125x175	1-3	4 - 5		-												
7GN40		1-2	3 - 4	125	175	146	110	5.5	32	21	68	84.3	118.3	4xPG21	IP65		
7GN63		1-2	3 - 4	125	1/5	140	112	0.0	32	21	60	04.3	118.3	2xPG11	1600		
7GN125		1	2													ŧ.	
7GN32 7GN40	180x254	1-5	6-8 5-7											4-0000			
7GN40 7GN63		1-4	4-6	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65		
7GN125		1-2	3-4														
Wiring di		-											ļ.		h	j	

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	

7GN2084P

ENERGY AND AUTOMATION

**7GN2084P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4-5, 1 POLE 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

ETIM 8.0

EC001029 -Selector switch, complete