



Product designation			Enclosed rotary
Product type designation			cam switch 7GN32
General characteristics			
Switching diagram			91 - ON/OFF switch 2 poles
N° of elements			1
Mounting form			P - Plastic enclosure with 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		Α.	22
	IEC/EN	A	32
Rated operational voltage	UL/CSA	A V	40 480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	_
Maximum race dize for effort directle protection in (ge)	10kA	Α	32
	15kA	Α	32
	25kA	Α	32
	50kA	Α	32
Rated short time current Icw			
	1s	Α	800
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		۸	22
AC15		Α	32
AC13	110V	Α	25
	220/230V	A	20
	380/400V	Α	10
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	7.5
	380/440V	kW	11
Cingle of AC C	500/690V	kW	11
Single-phase AC-3	110V	kW	2.2
	220/230V	kW	2.2 4
	380/440V	kW	6.5
Three-phase AC23A	223, 113 V		3.0



electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE **ENERGY AND AUTOMATION**

Single-phase AC23A Single-			000/000/	1-147	0
Single-phase AC23A			220/230V	kW	8
Single-phase AC23A					
110V KW 2.2 220/230V KW 4 380/440V kW 7.5 Rated operational current in DC DC21A 48V A 32 60V A 32 110V A 6 620V A 32 120V A		0: 1 1 10001	500/690V	KVV	18.5
Rated operational current in DC DC21A		Single-phase AC23A			
Rated operational current in DC DC21A					
Rated operational current in DC DC21A					
DC21A			380/440V	kW	7.5
A	Rated operational curre				
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid		DC21A			
110V					
DC23A (poles in series)					
DC23A (poles in series)					
A			220V	Α	0.9
ABV		DC23A (poles in series)			
Conductor size (IEC) - Flexible cable			24V	Α	32 (1)
110V			48V	Α	32 (2)
DC13 24V A 32 48V A 25 60V A 16 110V A 3 220V A 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5			60V	Α	32 (3)
DC13 24V A 32 48V A 25 60V A 16 110V A 3 220V A 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5			110V	Α	15 (3)
DC13			220V	Α	
ABV		DC13			
ABV			24V	Α	32
110V A 3 220V A 0.5			48V	Α	25
110V A 3 220V A 0.5			60V	Α	16
Power dissipation W 1.5					
Power dissipation W 1.5					
Mechanical features Terminals screw M4 Tightening torque for terminals max Nm 1.2 Conductor size AWG - Rigid cable min AWG 16 Max AWG 8 AWG - Flexible cable min AWG 16 Max AWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 4 Conductor size (IEC) - Rigid cable Conductor size (IEC) - Rigid cable	Power dissipation				
Terminals screw					
Tightening torque for terminals max					M4
AWG - Rigid cable		erminals max		Nm	
AWG - Rigid cable min AWG 16 Max AWG 8					
Max AWG 16 Max AWG 8		AWG - Rigid cable			
Max AWG 8		cg.u cas.e	min	AWG	16
AWG - Flexible cable min AWG 16 Max AWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 4 Conductor size (IEC) - Rigid cable					
min AWG 16 Max AWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 4 Conductor size (IEC) - Rigid cable		AWG - Flexible cable	Wick	71110	
Max AWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 4 Conductor size (IEC) - Rigid cable Tonductor size (IEC) Tonductor size (IEC)		AVVO - I lexible cable	min	ΛMG	16
Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 4 Conductor size (IEC) - Rigid cable					
min mm² 1.5 Max mm² 4 Conductor size (IEC) - Rigid cable		Conductor size (IEC) - Elevible coble	ividx	AWG	10
Max mm² 4 Conductor size (IEC) - Rigid cable		Conductor Size (IEC) - Flexible Cable	min	mm²	1.5
Conductor size (IEC) - Rigid cable					
		Conductor size (IEC) Digid soble	iviax	111(11-	4
min mm² 1.5		Conductor Size (IEC) - Rigid cable		na :== ?	1 E
NA2 O					
Max mm² 6	Machania - List		IVIAX		
Mechanical life cycles 5x10 ⁶				cycles	อมาบา
UL technical data		on line control			
Motor power for direct-on-line control	iviotor power for direct-				
for three-phase motor		for three-phase motor			_
120V HP 5					
240V HP 10					
480V HP 15					
600V HP 15			600V	HP	15
for single-phase motor		for single-phase motor			
120V HP 2					
240V HP 5			240V	HP	5
Ambient conditions	Ambient conditions				

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

ENERGY AND AUTOMATION

Temperature

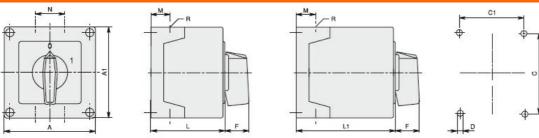
Operating temperature

	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

Resistance & Protection

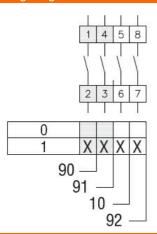
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



Corios	Enclosure	Number o	f elements	Dimensions					Cable	Protection					
Series Enclosure	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		0.000					300000					
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1-2	3 - 4					10000	5.500						50.00,-00.00
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1-4	5 - 8												
7GN25	1	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	63	4.5	32	21	39.5	80.0	119.5	4XPG21	IPOD
7GN40		1-2	3-5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	5.11a-1110.004.1709.1 V	1 - 2	3 - 4	105	175	140	440		32	21	68	040	1100	4xPG21	IDCC
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	80	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		20	25	70	101	475	4xPG29	IDOC
7GN63	1	1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN3291P

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

ENERGY AND AUTOMATION

IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete