7GN4010P



Product designation			Rotary cam
Product type designation			switches 7GN40
General characteristics			7 GN40
			10 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
			P - Plastic
Mounting form			enclosure with black handle
Contact characteristics			black flaffule
Rated insulation voltage Ui			
rates mediation vertage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	·	kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	40
	UL/CSA	Α	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	40
	15kA	Α	40
	25kA	Α	40
	50kA	Α	40
	63kA	A	40
Rated short time current Icw		•	4000
	1s	A	1000
Constructivity	60s	Α	1000
Conductivity Operational current le IEC/EN			10/5 mA/V
AC1/AC21A			
ACT/ACZTA		Α	40
AC15			+0
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110V	Α	25
	220/230V	A	22
	380/400V	Α	12
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3			
	110V	kW	3
	220/230V	kW	6.5



## electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE **ENERGY AND AUTOMATION**

		000/440	1.147	
		380/440V	kW	8
	Three-phase AC23A			_
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curre	ent in DC			
	DC21A			
	562171	48V	Α	40
		60V	A	40
		110V		
			A	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	A	32
		60V	A	16
		110V		
D P l C		1100	A	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for te	erminals 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	IVIUA	,,,,,	· •
	Conductor Size (ILO) - I lexible cable	min	mm²	1.5
		min Mov		
	One director also (IEO) Divisional I	Max	mm²	6
	Conductor size (IEC) - Rigid cable		_	4 =
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
	for three-phase motor	120V	HP	5
	for three-phase motor	120V 240V	HP HP	5 10
	for three-phase motor	240V	HP	10
	for three-phase motor	240V 480V	HP HP	10 20
		240V	HP	10
	for three-phase motor  for single-phase motor	240V 480V 600V	HP HP HP	10 20 20
		240V 480V 600V	HP HP HP	10 20 20 20
		240V 480V 600V	HP HP HP	10 20 20

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# ENERGY AND AUTOMATION Ambient conditions

## Temperature

Operating temperature

Ctorogo tomporoturo			
	max	°C	+55
	min	°C	-25

Storage temperature

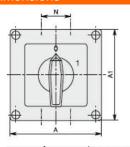
min	°C	-40
max	°C	+70

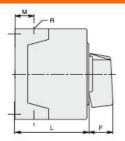
## Resistance & Protection

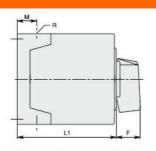
Frontal IP degree IP65

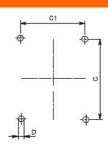
Terminals IP degree IP00

#### **Dimensions**



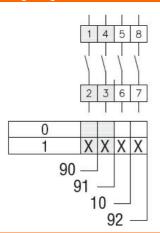






Series	Enclosure	Number o	f elements		Dimensions						Cable	Protection			
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20	]	1-3	4 - 6		19000		2000			20000		1-3770-20			
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												
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												270
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	30.4	65	4.5	32	21	39.3	05.5	119.5	47.5021	11.00
7GN40		1-2	3-5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	0.010-0500.00 0-000.00 V	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												
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	234	120	190	5.5	32	33	70	121	1/5	2xPG11	1100
7GN125		1 - 2	3 - 4												

## Wiring diagrams



## Certifications and compliance

## Compliance



## 7GN4010P

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

**ENERGY AND AUTOMATION** 

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