# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE



Product designation			Rotary cam
-			switches 7GN63
Product type designation  General characteristics			7 GN63
			75 - Changeover
Switching diagram			switch 4 poles
N° of elements			4
			P - Plastic
Mounting form			enclosure with
Contact characteristics			black handle
Rated insulation voltage Ui			
-	EC/EN	V	690
	L/CSA	V	600
Rated impulse withstand voltage Uimp	<u> </u>	kV	6
Conventional free air thermal current Ith			<del>-</del>
	EC/EN	Α	63
U	L/CSA	Α	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	63
	15kA	Α	63
	25kA	Α	63
	50kA	Α	63
B. C. L. C.	63kA	Α	63
Rated short time current Icw	4 -	1. 0	4000
County settinity.	1s	kA	1600 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 MA/ V
AC1/AC21A			
ACT/ACZTA		Α	63
AC15			00
7.010	110V	Α	32
220	)/230V	Α	25
380	)/400V	Α	15
660	)/690V	Α	4
Rated operational power in AC			
Three-phase AC-3			
	)/230V	kW	11
	0/440V	kW	18.5
	)/690V	kW	18.5
Single-phase AC-3	44017	1 147	0.7
	110V	kW	3.7
	)/230V	kW	6.5
380	)/440V	kW	11.5



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	Three-phase AC23A			
	·	220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
	Ciligio prideo /1020/1	110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curr	rent in DC	300/4+0 V	IXVV	12.0
rtated operational curi	DC21A			
	DOZTA	48V	Α	63
		60V	A	50
		110V	A	8
		220V	Α	1
	DC23A (poles in series)			
		24V	Α	50 (1)
		48V	Α	50 (2)
		60V	Α	50 (3)
		110V	Α	25 (3)
		220V	Α	15 (4)
	DC13			
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Terminals screw Tightening torque for t	terminals max		Nm	M5 2
Tightening torque for t	erminals max		Nm	M5 2
			Nm	
Tightening torque for t	terminals max  AWG - Rigid cable	min		2
Tightening torque for t		min May	AWG	14
Tightening torque for t	AWG - Rigid cable	min Max		2
Tightening torque for t		Max	AWG AWG	14 6
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	14 6
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	14 6
Tightening torque for t	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	14 6 14 8
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 6 14 8 2.5
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	14 6 14 8
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	14 6 14 8 2.5 10
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5 16
Tightening torque for to Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5
Tightening torque for to 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	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5 16
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Tightening torque for to 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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15
Tightening torque for to 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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15 25
Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 <sup>6</sup> 7.5 15
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**ENERGY AND AUTOMATION** 

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### Temperature

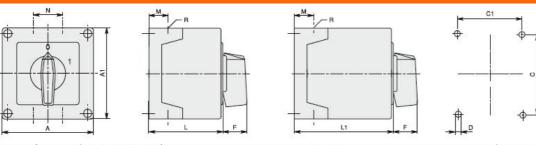
Operating temperature

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

## Resistance & Protection

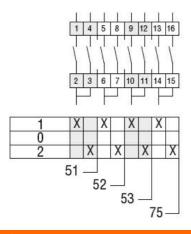
Frontal IP degree	IP65
Terminals IP degree	IP00

#### Dimensions



Carias	Enclosure	Number o	f elements	Ğ.	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	0.000	14000		2000			20000		10000000			A 4000000000
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	90.4	00	4.5	32	21	39.5	00.0	119.5	417421	100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	213-12700-0-7-20	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	125	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	IPOD
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	204	120	190	5.5	32	35	16	121	1/5	2xPG11	1100
7GN125		1 - 2	3 - 4												

### Wiring diagrams



## Certifications and compliance

## Compliance

#### IEC/EN/BS 60947-1



### 7GN6375P

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

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch