

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



Product designation			Enclosed rotary cam switch
Product type designation			7GN63
General characteristics			
Switching diagram			03 - ON/OFF spring return switch 3 poles
N° of elements			2
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  Conventional free air thermal current Ith		kV	6
Conventional free air thermal current ith	IEC/EN	۸	00
	UL/CSA	A A	63 60
Rated operational voltage	UL/CSA		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		100	
maximum rass size for effect effects protestion in (ge)	10kA	Α	63
	15kA	Α	63
	25kA	Α	63
	50kA	Α	63
	63kA	Α	63
Rated short time current Icw			
	1s	Α	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	63
AC15	44014		00
	110V	A	32
	220/230V 380/400V	A A	25 15
	660/690V	A	4
Rated operational power in AC	000/030 V		
Three-phase AC-3			
Tilled pliade /10 0	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



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		380/440V	kW	11.5
	Three-phase AC23A			
	·	220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A			
	<b>5</b> 1	110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational cu	rrent in DC	000/1101		12.0
rtatoa oporational oa	DC21A			
	DOZIA	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	A	28
		110V	A	3.3
Dower dissipation		1100	W	3.4
Power dissipation			VV	3.4
Mechanical features				ME
Terminals screw	Married Lance		Nice	M5
Terminals screw Tightening torque for	terminals max		Nm	M5 2
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max  AWG - Rigid cable			2
Terminals screw Tightening torque for		min	Nm AWG	
Terminals screw Tightening torque for		min Max		2
Terminals screw Tightening torque for			AWG	14
Terminals screw Tightening torque for	AWG - Rigid cable		AWG	14
Terminals screw Tightening torque for	AWG - Rigid cable	Max	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min	AWG AWG	14 6
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	14 6 14 8
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	2 14 6 14 8 2.5 10
Terminals screw Tightening torque for	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
Terminals screw Tightening torque for Conductor size	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
Terminals screw Tightening torque for 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
Terminals screw Tightening torque for 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
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Terminals screw Tightening torque for 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 25
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control for three-phase motor	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
Terminals screw Tightening torque for 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 600V	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 25
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  ct-on-line control for three-phase motor	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



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## Ambient conditions

## Temperature

Operating	temperature
Operaning	torriporataro

max	°C	+55
min	°C.	-25

Storage temperature

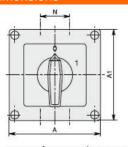
min	°C	-40
max	°C	+70

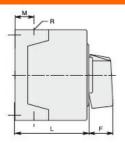
## Resistance & Protection

Frontal IP degree IP65

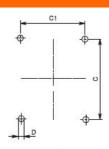
Terminals IP degree IP00

#### Dimensions



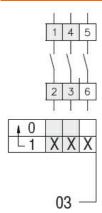






Carias	Enclosure	Number o	f elements	Dimensions					100	Cable	Protection				
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20	]	1-3	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



## 7GN6303P

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

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete