

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



Due de la trada de a igra ation			Enclosed rotary
Product designation			cam switch
Product type designation			7GN63
General characteristics			
Custabile en die errore			03 - ON/OFF
Switching diagram			spring return switch 3 poles
N° of elements			2
14 of definition			P - Plastic
Mounting form			enclosure with
Č			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		_	
	IEC/EN	Α	63
Details and selections	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4	۸	00
	10kA 15kA	A A	63 63
	25kA	A	63
	50kA	A	63
	63kA	A	63
Rated short time current Icw	00101		
	1s	kA	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	63
AC15			
	110V	Α	32
	220/230V	Α	25
	380/400V	Α	15
	660/690V	Α	4
Rated operational power in AC			
Three-phase AC-3	000/000/		4.4
	220/230V	kW	11
	380/440V	kW	18.5
Single-phase AC-3	500/690V	kW	18.5
Single-phase AC-3	110V	kW	3.7
	220/230V	kW	6.5
	220/230 V	17.4.4	0.0



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

		380/440V	kW	11.5
	Three-phase AC23A			
	111100 pila00 / (020/ (220/230V	kW	12.5
		380/440V	kW	30
	0	500/690V	kW	30
	Single-phase AC23A			
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational cur	rent in DC			_
	DC21A			
		48V	Α	63
		60V	Α	50
		110V	A	8
	70001 ()	220V	Α	
	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			
	2010	24V	Α	63
		48V	A	40
		60V	A	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Terminals screw Tightening torque for	terminals max		Nm	M5 2
	terminals max		Nm	
Tightening torque for			Nm	
Tightening torque for	terminals max AWG - Rigid cable	min		2
Tightening torque for		min Max	AWG	14
Tightening torque for	AWG - Rigid cable	min Max		2
Tightening torque for		Max	AWG AWG	14 6
Tightening torque for	AWG - Rigid cable	Max min	AWG AWG	14 6
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	14 6
Tightening torque for	AWG - Rigid cable	Max min	AWG AWG AWG	14 6 14 8
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	14 6
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max	AWG AWG AWG AWG	14 6 14 8
Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 6 14 8 2.5
Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm²	2 14 6 14 8 2.5 10
Tightening torque for	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
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 16
Tightening torque for Conductor size Mechanical life	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
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	AWG AWG AWG AWG mm² mm²	2 14 6 14 8 2.5 10 2.5 16
Tightening torque for Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid 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 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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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 ⁶ 7.5 15
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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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 ⁶ 7.5 15
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 t-on-line control for three-phase motor	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25
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	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles HP HP HP	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
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 t-on-line control for three-phase motor	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25



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

Ambient conditions

Temperature

	Operating	temp	erature
--	-----------	------	---------

	min	°C	-25
	max	°C	+55
Storage temperature	min	°C	-40
	rnin	(.	=4111

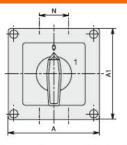
min °C -40 max °C +70

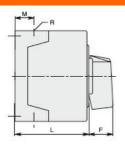
Resistance & Protection

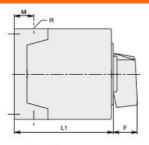
Frontal IP degree IP65

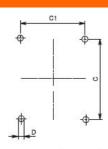
Terminals IP degree IP00

Dimensions



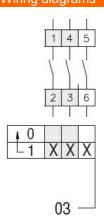






Series Enclosure Number of elements				Dimensions							Cable	Protection			
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	001		0.000	100000	10000000	2000	100000			10000000	200000000000000000000000000000000000000	100000000000000000000000000000000000000
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			3.550				37-33					31000000000
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		1-3	4 - 5	110	110	30.4	65	4.5	32	21	39.5	00.0	119.5	47.021	11.02
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												100
7GN40		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	1/3	140	112	0.0	32	21	00	04.3	110.5	2xPG11	11.02
7GN125		1	2							l.					
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	0.0	32	33	70	121	175	2xPG11	1100
7GN125		1-2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance



7GN6303P

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

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