

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



Product designation			Rotary cam
-			switches
Product type designation General characteristics			7GN63
			75 - Changeover
Switching diagram			switch 4 poles
N° of elements			4
			P - Plastic
Mounting form			enclosure with
Contact characteristics			black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	01/03/	kV	6
Conventional free air thermal current Ith		17.4	<u> </u>
Common and an anomal surformer	IEC/EN	Α	63
	UL/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
	63kA	Α	63
Rated short time current lcw			
	1s	Α	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
1017		A	63
AC15	4401	٨	20
	110V	A	32
	220/230V	A	25
	380/400V 660/690V	A A	15 4
Rated operational power in AC	000/090 V		- 1
Three-phase AC-3			
Tillog-pilase AO-5	220/230V	kW	11
	380/440V	kW	18.5
	500/690V	kW	18.5
Single-phase AC-3	223,2301		
<u> </u>	110V	kW	3.7
	220/230V	kW	6.5
	380/440V	kW	11.5



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

	Three-phase AC23A			
		220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A	300/030 V	IXVV	
	Single-phase AC23A	440\/	1.1.1.7	0.7
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational curr				
	DC21A			
		48V	Α	63
		60V	Α	50
		110V	Α	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	A	15 (4)
	DC13	220 V	, , , , , , , , , , , , , , , , , , ,	. • (. /
	DC13	24V	Α	63
		48V	A	40
		60V		
			A	28
		110V	A	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for t	erminals max		Nm	M5 2
	erminals max		Nm	
Tightening torque for t	erminals max AWG - Rigid cable		Nm	
Tightening torque for t		min	Nm AWG	
Tightening torque for t		min Max		2
Tightening torque for t	AWG - Rigid cable		AWG	14
Tightening torque for t		Max	AWG AWG	14
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
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 mm² mm²	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
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
Tightening torque for to 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 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 Max	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶
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 ⁶ 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 con-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 ⁶ 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	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 ⁶ 7.5 15 25 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 con-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG Mm² mm² mm² cycles HP HP HP HP	2 14 6 14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 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 con-line control for three-phase motor	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 ⁶ 7.5 15 25 25



ENERGY AND AUTOMATION

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

Temperature

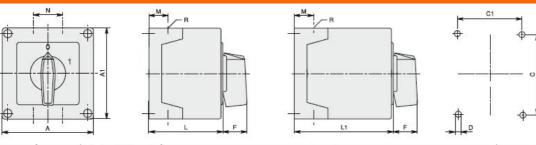
Operating temperature

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

Resistance & Protection

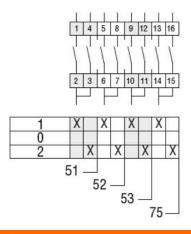
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



Carias	Enclosure	Number of	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		1-3770-20			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	30.4	- 65	4.5	32	21	39.3	05.5	119.5	47.021	11.02
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
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	1/5	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

IEC/EN/BS 60947-1



7GN6375P

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

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

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch