ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE



Product designation		Enclosed rotary
Product type designation		cam switch 7GN125
General characteristics		7GN125
		92 - ON/OFF
Switching diagram		switch 4 poles
N° of elements		2
		P - Plastic
Mounting form		enclosure with
Contact characteristics		black handle
Rated insulation voltage Ui		
IEC/EN	V	690
UL/CSA		600
Rated impulse withstand voltage Uimp	kV	6
Conventional free air thermal current Ith		
IEC/EN	Α	125
UL/CSA	Α	130
Rated operational voltage	V	690
Rated operational impulse voltage	kV	6
Maximum fuse size for short-circuit protection In (gG)		
10kA	Α	125
15kA		100
25kA		100
50kA		100
63kA	Α	100
Rated short time current Icw	LΛ	2100
Conductivity 1s	kA	10/5 mA/V
Conductivity Operational current le IEC/EN		10/5 IIIA/ V
AC1/AC21A		
AO II AO ZIA	Α	125
AC15		.20
110V	Α	40
220/230V		28
380/400V	Α	15
660/690V	Α	5
Rated operational power in AC		
Three-phase AC-3		
220/230V		18.5
380/440V		37
500/690V	kW	33
Single-phase AC-3	1.1.1.7	E
110V		5 11
220/230V	kW	11





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	Three-phase AC23A			
		220/230V	kW	30
		380/440V	kW	45
		500/690V	kW	37
	Single-phase AC23A			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curi	rent in DC			
•	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	A	1.2
	DC23A (poles in series)	220 V		1.2
	DC25A (poles ili series)	24V	Α	105 (1)
				125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V	Α	50 (3)
		220V	Α	20 (4)
	DC13			
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	Α	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
i cittilitais sciew				IVIZAU
Tightening torque for t	terminals max		Nm	2
	terminals max		Nm	
Tightening torque for t			Nm	
Tightening torque for t	terminals max AWG - Rigid cable	min		2
Tightening torque for t		min Max	AWG	14
Tightening torque for t	AWG - Rigid cable	min Max		2
Tightening torque for t		Max	AWG AWG	14 1/0
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	14 1/0
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	14 1/0
Tightening torque for t	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	14 1/0 14 1/0
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	14 1/0 14 1/0 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 1/0 14 1/0
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	14 1/0 14 1/0 2.5 50
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 1/0 14 1/0 2.5 50 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 1/0 14 1/0 2.5 50
Tightening torque for to 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 1/0 14 1/0 2.5 50 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	AWG AWG AWG AWG mm² mm²	2 14 1/0 14 1/0 2.5 50
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	AWG AWG AWG AWG mm² mm²	2 14 1/0 14 1/0 2.5 50
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	2 14 1/0 14 1/0 2.5 50
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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	AWG AWG AWG Mm² mm² cycles	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 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 1/0 14 1/0 2.5 50 2.5 50 1X10 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 Mm² mm² mm² cycles	2 14 1/0 14 1/0 2.5 50 2.5 50 1X10 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 t-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 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50
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	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
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 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40
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 480V 600V	AWG AWG AWG AWG mm² mm² cycles	14 1/0 14 1/0 2.5 50 2.5 50 1X10 ⁶ 15 25 50 40

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Temperature

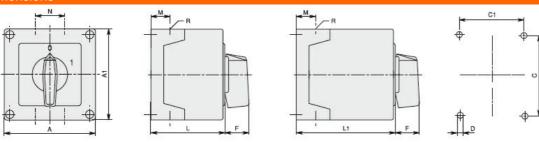
Operating temperature

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

Resistance & Protection

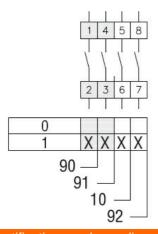
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



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		0.000					200000					
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					10000							530004-200002
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20	2	1-4	5 - 8												
7GN25	1	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	63	4.5	32	21	39.5	65.5	119.5	4XPG21	1700
7GN40	1	1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												- 33
7GN40	2019-010008-0000	1 - 2	3 - 4	105	175	140	440		32	21	68	040	1100	4xPG21	IDCE
7GN63]	1 - 2	3 - 4	125	175	146	112	5.5	32	21	80	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		20	25	70	404	475	4xPG29	IDCE
7GN63	1	1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN12592P

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IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete