ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE



Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			44 0 1
Switching diagram			11 - 3-phase motor reversing switch
N° of elements			3
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		kV	6
Conventional free air thermal current Ith	150/5N		0.5
	IEC/EN	A	25
Dated aparational voltage	UL/CSA	A V	30 480
Rated operational voltage Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		K V	4
Maximum ruse size for short elecut protection in (go)	10kA	Α	25
	15kA	A	25
	25kA	Α	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15			
	110V	Α	16
	220/230V	Α	12
	380/400V	A	8
Dated anarational neuron in AC	660/690V	Α	2
Rated operational power in AC Three-phase AC-3			
Tillee-pilase AC-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/440V	kW	7.5
Single-phase AC-3			
3 1 1	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A			



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		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational curr				
	DC21A	40) (
		48V	Α	25
		60V	Α	25
		110V	A	4
		220V	Α	0.7
	DC23A (poles in series)		_	(.)
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
	D040	220V	Α	10 (4)
	DC13	A 41 :		0.5
		24V	A	25
		48V	A	20
		60V	Α	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				MO F
Terminals screw	orminals may		Nm	M3.5
Tightening torque for t	erminals max		Nm	0.8
			Nm	
Tightening torque for t	erminals max AWG - Rigid cable	min		0.8
Tightening torque for t		min	AWG	20
Tightening torque for t	AWG - Rigid cable	min Max		0.8
Tightening torque for t		Max	AWG AWG	0.8 20 10
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	0.8 20 10 20
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.8 20 10
Tightening torque for t	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 10 20 12 0.5
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4
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 mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 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	0.8 20 10 20 12 0.5 4 0.5 4 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	0.8 20 10 20 12 0.5 4 0.5 4 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 480V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 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 -on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 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 480V 600V	AWG AWG AWG AWG mm² mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 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 -on-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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 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 -on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 15



ENERGY AND AUTOMATION

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Temperature

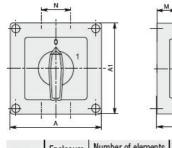
Operating temperature

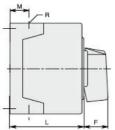
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

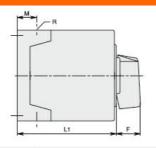
Resistance & Protection

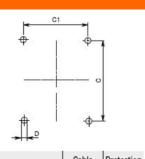
Frontal IP degree IP65
Terminals IP degree IP00

Dimensions







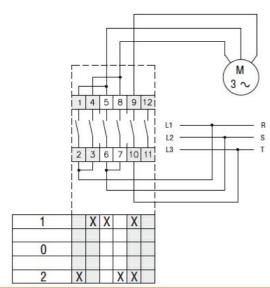


Series	Enclosure size	Number o	f elements	Dimensions							Cable	Protection			
Series		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6			0.00	100000	10000000	2000	100000	4000			200000000000000000000000000000000000000	
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							33-2-5					30-30-30-77
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	39.3	00.0	119.5	47.5021	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	175	140	112	3.3	32	21	00	04.3	110.3	2xPG11	11.02
7GN125		1	2							N.	N		N		
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	10	121	1/3	2xPG11	11.00
7GN125		1 - 2	3 - 4												

Wiring diagrams



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Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch