



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product type designation	Product designation				Enclosed rotary
Switching diagram	G	_			
Switching diagram N" of elements N" of elements Mounting form P25 - Plastic enclosure with redyellow handle		n			/GN20
N° of elements 3 Mounting form P25 - Plastic enclosure with red/yellow handle red/yellow handle Contact characteristics Rated insulation voltage Ui IEC/EN UL/CSA V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 20 UL/CSA A 20 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 16 25kA A 16 Rated short time current Icw 1s kA 250 Conductivity 1s kA 250 Conductivity 10/5 mA/V Operational current Ie IEC/EN AC15 110V A 10 AC15 110V A 10 AC20/230V A 8 330/40V A 8 330/40V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 Single-phase AC-3 220/230V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 5.5 AC10 kW 7.5 500/690V kW 7.5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 Single-phase AC23A 110V kW 0.8 220/20/20V kW 7.5 </td <td></td> <td></td> <td></td> <td></td> <td>motor reversing</td>					motor reversing
Mounting form	N° of elements				
Rated insulation voltage Ui	Mounting form				enclosure with
IEC/EN V 690	Contact characteristics				
Rated impulse withstand voltage Uimp	Rated insulation voltage	Ui			
Rated impulse withstand voltage Uimp				V	
Conventional free air thermal current lth			UL/CSA		600
IEC/EN	·			kV	6
Rated operational voltage	Conventional free air the	ermal current Ith			
Rated operational voltage				Α	20
Rated operational impulse voltage			UL/CSA		20
Maximum fuse size for short-circuit protection In (gG)					
10kA	Rated operational impul	se voltage		kV	4
15kA	Maximum fuse size for s	short-circuit protection In (gG)			
Rated short time current Icw				Α	
Rated short time current lcw					
1s			25kA	A	16
Conductivity	Rated short time current	t Icw			
Operational current le IEC/EN AC1/AC21A AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5.5 Single-phase AC23A 110V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 5.5 380/440V kW 7.5			1s	kA	
AC1/AC21A AC15 AC15 T10V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 T10V kW 0.8 220/230V kW 3 Three-phase AC-3 220/230V kW 5.5 Single-phase AC-3 T10V kW 0.8 220/230V kW 3 Three-phase AC23A 220/230V kW 7.5 Single-phase AC23A Three-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 380/440V kW 7.5 380/440V kW 7.5 380/440V kW 7.5 380/440V kW 0.8 220/230V kW 2.5 380/440V kW 3.7	-				10/5 mA/V
AC15 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 380/440V kW 7.5 500/690V kW 7.5 380/440V kW 7.5 500/690V kW 7.5					
AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5		AC1/AC21A			
110V				A	20
220/230V		AC15	4.40).4		
Single-phase AC23A Single-					
Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5					
Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 7.5 500/690V kW 7.5 380/440V kW 3.7					
Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 5 380/440V kW 7.5 380/440V kW 7.5 380/440V kW 0.8 220/230V kW 2.5 380/440V kW 3.7	Data dan anational name	-:- AC	660/690V	Α	1.5
220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 380/440V kW 3.7					
380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7		Inree-phase AC-3	220/2201	1.1.0.7	2
Single-phase AC-3					
Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 0.8 220/230V kW 2.5 380/440V kW 3.7					
110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7		Single phase AC 2	300/690 V	KVV	5.5
220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7		olligie-pliase AO-3	110\/	۱ ۸۸	0.8
380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7					
Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7					
220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7		Three-phase AC23A	J00/440 V	17.4.4	<u> </u>
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7		THOO PHOSE NOZON	220/230\/	k\/\/	5
500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7					
Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7					
110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7		Single-phase AC23A	230,000 4		
220/230V kW 2.5 			110\/	kW	0.8
380/440V kW 3.7					
	Rated operational curre	nt in DC			





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	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	1101	- , ,	0.20
	2026, (polos III oslico)	24V	Α	20 (1)
		48V	A	20 (2)
		60V	A	20 (2)
		110V	A	10 (3)
		220V	A	
	DC40	220 V	<u> </u>	8 (4)
	DC13	0.41.7	Δ.	00
		24V	A	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
-		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	7.11.5 Tagas basis	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVICA	71110	12
	AWO - I lexible cable	min	AWG	20
			AWG	
	On dustancia (IDO) Florible coble	Max	AVVG	14
	Conductor size (IEC) - Flexible cable		2	^ -
		min	mm²	0.5
	-	Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-	on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions		270 V		_
Temperature				
remperature	Operating temperature			
	Operating temperature		۰.	0.5
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40



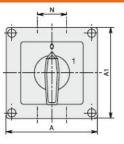
ENERGY AND AUTOMATION

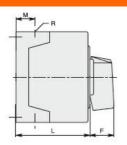
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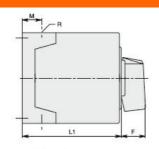
max °C +70

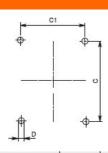
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Resistance & Protection			
Frontal IP degree			IP65
Terminals IP degree			IP00

Dimensions



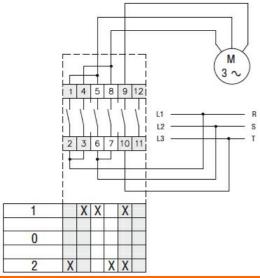






Series	Enclosure	Number o	f elements	Dimensions									Cable	Protection	
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	00.000		0.000	100000	10000000	2000	100000				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			3.55				33-2-5					30-30-30-17
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	90.4	00	4.5	32	21	39.5	05.5	119.5	417621	100
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							N.	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	5.5	32	35	10	121	1/5	2xPG11	11.00
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1





ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete