



7GN12507P25

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 125A IN PLASTIC ENCLOSURE 180X254MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary
Product type designati				cam switch 7GN125
General characteristics	S			
Switching diagram				07 - ON/OFF switch 3 poles
N° of elements				2
Mounting form				P25 - Plastic enclosure with
				red/yellow handle
Contact characteristics				
Rated insulation voltag	e Oi	IEC/EN	V	690
		UL/CSA	600	
Rated impulse withstar	nd voltage Llimp	OLIOOA	V kV	6
Conventional free air th	· ·		ic v	
Conventional free all a	ionnal carroni ian	IEC/EN	Α	125
		UL/CSA	Α	130
Rated operational volta	age		V	690
Rated operational impo			kV	6
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	125
		15kA	Α	100
		25kA	Α	100
		50kA	Α	100
		63kA	Α	100
Rated short time curre	nt Icw		_	
0 1		1s	Α	2100
Conductivity	IFO/FNI			10/5 mA/V
Operational current le	AC1/AC21A			
	ACT/ACZTA		Α	125
	AC15			125
	A010	110V	Α	40
		220/230V	Α	28
		380/400V	Α	15
		660/690V	Α	5
Rated operational pow	er in AC			
	Three-phase AC-3			
		220/230V	kW	18.5
		380/440V	kW	37
		500/690V	kW	33
	Single-phase AC-3			
		110V	kW	5
		220/230V	kW	11
	Thurs about ACOOA	380/440V	kW	15
	Three-phase AC23A	220/2201	1/1/1	20
		220/230V 380/440V	kW kW	30 45
		500/690V	kW	45 37
	Single-phase AC23A	300/030 V	17.4.4	
	gio prisso / 1020/ 1	110V	kW	5
		220/230V	kW	11



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		380/440V	kW	15
Rated operational cu	rrent in DC			
	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)			
		24V	Α	125 (1)
		48V	Α	125 (2)
		60V	Α	125 (3)
		110V	A	50 (3)
	7040	220V	Α	20 (4)
	DC13	0.417		405
		24V	A	125
		48V	A	100
		60V	A	50
Dames dissistant		110V	Α	4
Power dissipation			W	6.3
Mechanical features Terminals screw				M2X5
Tightening torque for	terminals may		Nm	2
Conductor size	terminals max		INIII	
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	IVIAX	AVVG	1/0
	AVVG - Flexible Cable	min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	IVICA	700	170
	Conductor size (ILC) - I lexible cable	min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable	IVICA	111111	
	Conductor size (ILC) - rigid cable	min	mm²	2.5
		Max	mm²	50
Mechanical life		IVIOX	cycles	1X10 ⁶
UL technical data			Oyoloo	17(10
Motor power for direc	ct-on-line control			
	for three-phase motor			
	•	120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor			
		120V	HP	5
		240V	HP	15
Ambient conditions				
Temperature				_
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

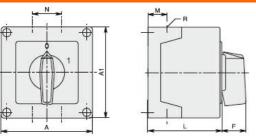
ENERGY AND AUTOMATION

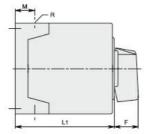
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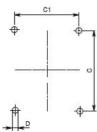
Resistance & Protection

Frontal IP degree IP65
Terminals IP degree IP00

Dimensions

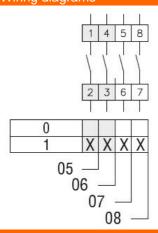






Series E	Enclosure	Number o	f elements	Dimensions							Cable	Protection			
	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20]	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0-0000	190000		2000			20000					
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												1
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	00	4.5	32	21	09.0	00.0	113.5	471.021	1100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												6.8
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	120	173	140	112	0.0	32	21	00	04.0	110.5	2xPG11	11 00
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40	1	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	130	0.0	32	33	,,,	121	1/3	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

Certificates

EAC

ETIM classification



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ETIM 8.0

EC001029 -Selector switch, complete