



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 125A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 90X90MM

Product to designation Switches Product type designation 7 GN12S Product type designation CRAITS Switching diagram CRAITS N° of elements 2 2 N° of elements U65 - Front mounting with redyellow handle padiockable in 0 and protection covers Contact characteristics 2 U65 - Front mounting with redyellow handle padiockable in 0 and protection covers Contact characteristics 8 V 690 Rated insulation voltage Uimp KV 6 600 Rated impulse withstand voltage Uimp IEC/EN A 125 Conventional free air thermal current Ith IEC/EN A 125 Rated operational voltage V 690 8 Rated operational impulse voltage V 690 8 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 Rated operational impulse voltage XV 6 6 6 A 100 6 6 A 100 6 A 100 6 A 1	Draduat designation				Rotary cam
Semeral Characteristics	-				
N' of elements					7GN125
No of elements 2 U65 - Front mounting with redyleiow handle padiockable in 0 and protection covers		,			
Mounting form Series Mounting form Mou	N° of elements				
Rated insulation voltage Ui					mounting with red/yellow handle padlockable in 0 and protection
Conventional free air thermal current lth					
Conventional free air thermal current Ith	Nateu insulation voitag	e Oi			
IEC/EN				kV	6
Rated operational voltage V 690	Conventional free air th	nermal current Ith	= :		
Rated operational impulse voltage Rated operational impulse voltage Rated operational impulse size for short-circuit protection In (gG) 10kA	Rated operational volta	age			
10kA				kV	6
Rated short time current lcw	Maximum fuse size for	short-circuit protection In (gG)	15kA	Α	100
Rated short time current lcw				Α	
1s			63kA	A	100
Conductivity	Rated short time curre	nt Icw	4	1. A	0400
Operational current le IEC/EN AC1/AC21A AC15 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power 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 11 380/440V kW 15 Three-phase AC-3 220/230V kW 15 220/230V kW 15 220/230V kW 15 Three-phase AC23A 220/230V kW 15	Conductivity		18	KA	
AC1/AC21A AC15 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 11 380/440V kW 15 Three-phase AC23A		IEC/EN			10/0 11// 0
110V				Α	125
220/230V		AC15			
Rated operational power in AC Three-phase AC-3					
Rated operational power 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 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37					
Rated operational power 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 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 30 380/440V kW 45 500/690V kW 37					
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 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 37	Rated operational now	er in AC	000/0907	Α	<u> </u>
220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37	rtated operational pow				
380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37		Thio phase / to c	220/230V	kW	18.5
Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37					
110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37			500/690V	kW	33
220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37		Single-phase AC-3			_
380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37					
Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37					
220/230V kW 30 380/440V kW 45 500/690V kW 37		Three-phase AC22A	38U/44UV	KVV	15
380/440V kW 45 500/690V kW 37		Tillee-pilase AC23A	220/230\/	k۱۸/	30
500/690V kW 37					
		Single-phase AC23A			





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		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational cu	rrent in DC			_
•	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	A	1.2
	DC23A (poles in series)	220 V		1.2
	DOZOA (poles ili series)	24V	Α	125 (1)
		48V	A	125 (1)
		60V	A	
				125 (3)
		110V	A	50 (3)
	B040	220V	Α	20 (4)
	DC13	<u> </u>		405
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	Α	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	, C	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	IVIUA	,,,,,	., •
	7.070 I TONIDIO GADIO	min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	ividX	AWG	1/0
	Conductor Size (IEC) - Flexible Cable	min	mm²	2.5
		min Mov	mm²	
	Conductor sine (IEO) - District and the	Max	mm²	50
	Conductor size (IEC) - Rigid cable		3	0.5
		min	mm²	2.5
A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Max	mm²	50
Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for direct				
	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			
	Sporating tomporation	min	°C	-25
			°C	-25 +55
	Storago tomporatura	max	U	TJJ
	Storage temperature			



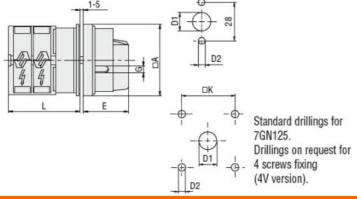


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min	°C	-40
may	°C	⊥ 7∩

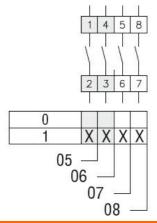
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	Dimensions				L					
	□A	D1	D2	Е	G	□K	1	2	3	12
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete