

## **7GN1210U25** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM



Mounting form U25 - Front mounting with red/yellow handl padlockable in 0 and protection covers   Contact characteristics IEC/EN V 690 UL/CSA V 600   Rated insulation voltage Uimp kV 6 6 6   Conventional free air thermal current Ith IEC/EN A 16 UL/CSA A 15   Rated operational voltage V 480 4 4				
Product type designation   Switching     General characteristics   10 - ON/OFF     Switching diagram   10 - ON/OFF     Switching diagram   2     Violation   2     Contact characteristics   2     Contact characteristics   2     Rated insulation voltage Ui   IEC/EN   V     Generational free air thermal current Ith   IEC/EN   A     IEC/EN   A   16     Conventional free air thermal current Ith   IEC/EN   A     IEC/EN   A   16     Rated operational impulse voltage   KV   4     Maximum fuse size for short-circuit protection In (gG)   10KA   A <t< td=""><td>Product designation</td><td></td><td></td><td></td></t<>	Product designation			
General characteristics   10 - ON/OFF     Switching diagram   10 - ON/OFF     N° of elements   2     Wounting form   225 - Front     Mounting form   mounting with     Mounting form   2     Contact characteristics   2     Rated insulation voltage Ui   IEC/EN   V     600   2     Conventional free air thermal current Ith   IEC/EN   X     Conventional free air thermal current Ith   IEC/EN   A     Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A     16   15kA   A   10     Rated short time current Icw   18   A   200     Conductivity   19   A   10     Querational current Ie IEC/EN   A   16     AC1/AC21A   A   16     AC1/AC21A   A   10     AC1/AC21A   A   10     AC1/AC21A   A<	-			
Switching diagram   10 - ON/OFF switch 3 poles     N° of elements   2     Mounting form   U25 - Front mounting with red/yellow handl padlockable in 0 and protection covers      EC/EN   V   690     Rated insulation voltage Ui   EC/EN   V   690     Rated insulation voltage Uinp   KV   6     Conventional free air thermal current Ith   IEC/EN   X   480     Rated operational voltage   V   480   4     Rated operational impulse voltage   KV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   16     10kA   A   16   15kA   A   10     200   20/230V   N   4   66     Conductivity   1s   200   10/5 mA/V     Operational current Icw   1s   A   16     AC1/AC21A   10/5 mA/V   220/230V   A   8     380/400V   A   4   660/690V   A   1.5     Rated operational power in AC				7GN12
Switching diagram   switch 3 poles     N° of elements   2     Mounting form   U25 - Front mounting with redyellow hand padlockable in 0 and protection covers     Contact characteristics     ECrite V     Rated insulation voltage Uimp     KV     Conventional free air thermal current Ith     IEC/EN     Rated operational woltage     KV     Maximum fuse size for short-circuit protection In (gG)     10kA   A     10kA   A     Conductivity   10kA   A     Conductivity   10kA   A   10     Conductivity   10/5 mA/V   0				
N° of elements   2     Mounting form   U25 - Front mounting with red/yellow handling with red/yelow handling with red/yelow handling with red/yellow handling wit	Switching diagram			
$\begin{tabular}{l lllllllllllllllllllllllllllllllllll$	N° of elements			
IEC/EN   V   690     UL/CSA   V   600     Rated impulse withstand voltage Uimp   KV   6     Conventional free air thermal current lth   IEC/EN   A   16     Rated operational voltage   KV   4   15     Rated operational voltage   KV   4   16     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   16     15kA   A   10   25kA   A   10     25kA   A   10   25kA   A   10     Conductivity   1s   A   200   200     Conductivity   10/5 mA/V   200   200     Conductivity   10   200   20/2 mA/V     Operational current lcw   1   A   200     Conductivity   10/5 mA/V   200   20/2 mA/V     Operational power in AC   10   220/2 mA   8   380/400/V   A   4   660/6 mA   4   660/6 mA   4   660/6 mA   4   66	Mounting form			mounting with red/yellow handl padlockable in 0 and protection
IEC/EN   V   690     Rated impulse withstand voltage Uimp   kV   6     Conventional free air thermal current lth   IEC/EN   A   16     UL/CSA   A   15   15     Rated operational voltage   kV   4   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   16     15kA   A   10   25kA   A   10     Rated short time current lcw   1s   A   200   00     Conductivity   1s   A   200   00     Operational current le IEC/EN   A   16   10/5 mA/V     Operational current le IEC/EN   A   16   10/2 220/230V   A   8   380/400V   A   4     AC1/AC21A   A   10   220/230V   A   4   660/690V   A   1.5     Rated operational power in AC   Three-phase AC-3   220/230V   KW   2.5   380/440V   KW   4				
UL/CSA   V   600     Rated impulse withstand voltage Uimp   kV   6     Conventional free air thermal current Ith   IEC/EN   A   16     UL/CSA   A   15   10   10     Rated operational voltage   V   480   4   16     Rated operational impulse voltage   KV   4   16   15     Maximum fuse size for short-circuit protection In (gG)   10kA   A   16   15kA   A   10     Rated short time current Icw   1s   A   200   10/5 mA/V   0     Conductivity   1s   A   16   16/5 mA/V   10/5 mA/V     Operational current Ic IEC/EN   110/V   A   10   220/230V   A   8     AC1/AC21A   10   220/230V   A   8   380/400V   A   4     660/690V   A   1.5   110V   A   10   220/230V   A   4     660/690V   A   1.5   380/440V   A   4   660	Rated insulation voltage Ui			
Rated impulse withstand voltage Uimp   kV   6     Conventional free air thermal current Ith   IEC/EN   A   16     UL/CSA   A   15     Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   16     15kA   A   10   25kA   A   10     Rated short time current Icw   1s   A   200   200     Conductivity   10/5 mA/V   10/5 mA/V   0   220/230V   A   8     Qperational current Ie IEC/EN   A   16   4   660/690V   A   10     Conductivity   10/5 mA/V   10/5 mA/V   220/230V   A   8   380/400V   A   4     AC15   110V   A   10   220/230V   A   4     AC15   1.5   380/400V   A   4   500/690V   A   1.5     Rated operational power in AC   220/230V   K			-	
Conventional free air thermal current lth   IEC/EN   A   16     UL/CSA   A   15     Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   16     15kA   A   10   25kA   A   10     Rated short time current lcw   1s   A   200   Conductivity   10/5 mA/V     Operational current le IEC/EN   A   16   15kA   A   10     Conductivity   10/5 mA/V   10/5 mA/V   10/5 mA/V   220/230V   A   8     AC1/AC21A   A   16   16   16   16     AC15   110V   A   10   220/230V   A   8     380/400V   A   4   660/690V   A   1.5     Rated operational power in AC   1   220/230V   KW   2.5     Single-phase AC-3   220/230V   kW   2.5   5.5	Potod impulse withstand voltage Llimp	UL/CSA	-	
IEC/EN   A   16     UL/CSA   A   15     Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   16     15kA   A   10   25kA   A   10     Rated short time current lcw   1s   A   200   Conductivity   10/5 mA/V     Operational current le IEC/EN   A   16   AC1/AC21A   A   16     AC15   110V   A   10   220/230V   A   8     A0400V   A   4   660/690V   A   4     660/690V   A   1.5   380/40V   KW   4     Single-phase AC-3   220/230V   KW   2.5   380/40V   KW   4     500/690V   kW   5.5   5   5   5			ĸv	0
UL/CSA   A   15     Rated operational impulse voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   16     15kA   A   10   25kA   A   10     Rated short time current lcw   1s   A   200   00     Conductivity   10/5 mA/V   00/5 mA/V   00/5 mA/V     Operational current le IEC/EN   AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A     660/690V   A   1.5   10     Rated operational power in AC   220/230V   KW   4     500/690V   kW   4   500/690V   4     600/690V   KW   4   500/690V   KW   4     500/690V   KW   4   500/690V   4   500/690V   5.5   5     Single-phase AC-3   110V   KW   0.8 <td></td> <td>IEC/EN</td> <td>Δ</td> <td>16</td>		IEC/EN	Δ	16
Rated operational voltage   V   480     Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   16     15kA   A   10   25kA   A   10     Rated short time current Icw   1s   A   200   00     Conductivity   1s   A   200   00     Operational current Ie IEC/EN   AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A     Rated operational power in AC   Three-phase AC-3   220/230V   KW   2.5     Single-phase AC-3   100V   KW   4   500/690V   KW   4				
Rated operational impulse voltage   kV   4     Maximum fuse size for short-circuit protection ln (gG)   10kA   A   16     15kA   A   10   25kA   A   10     Rated short time current lcw   1s   A   200   200     Conductivity   1s   A   200   10/5 mA/V     Operational current le IEC/EN   AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A     AC15   110V   A   1.5     Rated operational power in AC   220/230V   A   8     Three-phase AC-3   220/230V   KW   2.5     380/440V   kW   4   500/690V   KW   4     500/690V   kW   5.5   5   5     Single-phase AC-3   110V   kW   0.8	Rated operational voltage			
Maximum fuse size for short-circuit protection ln (gG) 10kA A 16   15kA A 10   Rated short time current lcw 1s A 200   Conductivity 10/5 mA/V   Operational current le IEC/EN 10/5 mA/V   AC1/AC21A A 16   AC15 110V A 10   220/230V A 8 380/400V A 4   660/690V A 1.5 1.5 1.5   Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4   500/690V kW 4.500/690V KW 4.500/690V 5.5 5   Single-phase AC-3 110V kW 0.8 10			kV	4
15kA   A   10     25kA   A   10     Rated short time current lcw   1s   A   200     Conductivity   10/5 mA/V   00     Operational current le IEC/EN   A   16     AC1/AC21A   A   10     220/230V   A   8     380/400V   A   4     660/690V   A   1.5     Rated operational power in AC   Three-phase AC-3   220/230V   kW   2.5     380/440V   kW   4   500/690V   kW   4     500/690V   kW   5.5   5   5     Single-phase AC-3   110V   kW   0.8	Maximum fuse size for short-circuit protection In (gG)			
25kA   A   10     Rated short time current lcw   1s   A   200     Conductivity   10/5 mA/V   10/5 mA/V     Operational current le IEC/EN   A   16     AC1/AC21A   A   10     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   1.5   15   15     Rated operational power in AC   Three-phase AC-3   220/230V   kW   2.5     380/400V   kW   4   500/690V   kW   4     500/690V   kW   5.5   5   5     Single-phase AC-3   110V   KW   0.8		10kA	А	16
Atted short time current lcw   1s   A   200     Conductivity   10/5 mA/V     Operational current le IEC/EN   A   16     AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   1.5   1.5   1.5     Rated operational power in AC   Three-phase AC-3   220/230V   kW   2.5     380/440V   kW   4   500/690V   kW   4.5     Single-phase AC-3   110V   kW   0.8   10				
1s   A   200     Conductivity   10/5 mA/V     Operational current le IEC/EN   AC1/AC21A     AC1/AC21A   A     AC15   10V     110V   A     AC15   110V     AC16   220/230V     A   8     380/400V   A     AC10   220/230V     A   4     660/690V   A     AC1/AC21A   4     AC15   110V     X   4     AC15   380/400V     A   4     660/690V   A     A   1.5     Rated operational power in AC   220/230V     Three-phase AC-3   220/230V     XW   4     500/690V   KW     Single-phase AC-3   110V     Single-phase AC-3   110V		25kA	A	10
Conductivity   10/5 mA/V     Operational current le IEC/EN   A 16     AC1/AC21A   A 16     AC15   110V   A 10     220/230V   A 8   380/400V   A 4     660/690V   A 1.5   110   220/230V   A 4     660/690V   A 1.5   110   220/230V   A 4   4     660/690V   A 1.5   110   220/230V   A 4   500/690V   kW   4   500/690V   kW   5.5	Rated short time current Icw	10	Δ	200
AC1/AC21A   A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   1.5   1.5   1.5     Rated operational power in AC     Three-phase AC-3   220/230V   kW   2.5     380/440V   kW   4   500/690V   kW   5.5     Single-phase AC-3     110V   kW   0.8	Conductivity	13	~	
AC1/AC21A AC15 AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8				10/0 11/1 1
A   16     AC15   110V   A   10     220/230V   A   8   380/400V   A   4     660/690V   A   1.5   1.5   1.5     Rated operational power in AC     Three-phase AC-3   220/230V   kW   2.5     380/440V   kW   4   500/690V   kW   4     500/690V   kW   5.5   5   5     Single-phase AC-3     110V   kW   0.8				
110V A 10   220/230V A 8   380/400V A 4   660/690V A 1.5   Rated operational power in AC   Three-phase AC-3   220/230V kW 2.5   380/440V kW 4   500/690V kW 5.5   Single-phase AC-3   110V kW 0.8			А	16
220/230V A 8   380/400V A 4   660/690V A 1.5   Rated operational power in AC   Three-phase AC-3   220/230V kW 2.5   380/440V kW 4   500/690V kW 5.5   Single-phase AC-3   110V kW 0.8	AC15			
380/400V A 4   660/690V A 1.5   Rated operational power in AC   Three-phase AC-3   220/230V kW 2.5   380/440V kW 4   500/690V kW 5.5   Single-phase AC-3   110V kW 0.8				
660/690V   A   1.5     Rated operational power in AC Three-phase AC-3     220/230V   kW   2.5     380/440V   kW   4     500/690V   kW   5.5     Single-phase AC-3     110V   kW   0.8				
Rated operational power in AC   Three-phase AC-3   220/230V   kW   2.5     380/440V   kW   4   500/690V   kW   5.5     Single-phase AC-3     110V   kW   0.8				
Three-phase AC-3 220/230V kW 2.5   380/440V kW 4   500/690V kW 5.5   Single-phase AC-3 110V kW 0.8		660/690V	A	1.5
220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8				
380/440V kW 4   500/690V kW 5.5   Single-phase AC-3 110V kW 0.8	Thee-phase AC-S	220/2301/	k\//	2.5
500/690V kW 5.5 Single-phase AC-3 110V kW 0.8				
Single-phase AC-3 110V kW 0.8				
110V kW 0.8	Single-phase AC-3			
220/230V kW 1.5		110V	kW	0.8
		220/230V	kW	1.5

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ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

		380/440V	kW	2.2
	Three-phase AC23A			
	······································	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A	300/030 V	N V V	1.5
	Single-phase AC25A	110\/		0.0
		110V	kW	0.8
		220/230V	kW	1.7
	-	380/440V	kW	3
Rated operational cur				
	DC21A			
		48V	А	12
		60V	А	12
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			,
		24V	А	10 (1)
				. ,
		48V	A	10 (2)
		60V	A	10 (3)
		110V	А	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	А	8
		110V	A	1
		220V	A	0.4
		440V		0.15
Dewer dissinction		440 V	A W	
Power dissipation			VV	0.8
Mechanical features				Mo
Terminals screw				M3
Tightening torque for t	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	ινιάλ	ANG	17
	CONTRACTOR SIZE (IEC) - FIEXIDIE CADIE		2	0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 <sup>6</sup>
UL technical data				
Motor power for direct	t-on-line control			
1.2.1.2.1.0.1.0.00	for three-phase motor			
		120V	HP	1.5
	Construction of the second second	240V	HP	3
	for single-phase motor			a <b>-</b>
		120V	HP	0.5

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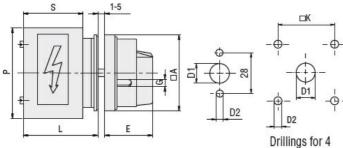


ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

7GN1210U25

		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	tion			
Frontal IP degree				IP40
Terminals IP degree				IP00

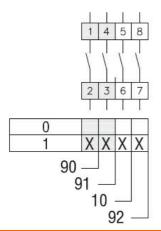
#### Dimensions



Drillings for 4 screws fixing (4V version).

Series		Dimensions							
Series	□A	D1	D2	E	G	□K	S	Р	L
7GN12	65	12	5	34.2	5	36	43	64	54.3
7GN20	65	12	5	34.2	5	36	43	64	54.3
7GN25	65	12	5	34.2	5	36	51	68	62.6
7GN32	65	14	5	38	6	48	55	77	71.7
7GN40	65	14	5	38	6	48	55	77	71.7

# 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

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ENERGY AND AUTOMATION

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classificat	ion	
		EC001029 -
ETIM 8.0		Selector switch,

Selector switch, complete

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