7GN2026U65



ROTARY CAM SWITCH 7GN SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 20A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Product designation				Rotary cam
-	•			switches
Product type designat General characteristic				7GN20
Switching diagram	5			26 - 3-phase motor reversing switch with spring return
N° of elements				3
Mounting form				U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers
Contact characteristics				
Rated insulation voltag		IEC/EN UL/CSA	V V	690 600
Rated impulse withsta Conventional free air the			kV	6
		IEC/EN UL/CSA	A A	20 20
Rated operational volta	age		V	480
Rated operational imp			kV	4
Maximum fuse size for	r short-circuit protection In (gG)			
		10kA	A	20
		15kA	A	16
Rated short time curre	und law	25kA	A	16
Rated short time curre	ant ICW	1s	kA	250
Conductivity		15	KA.	10/5 mA/V
Operational current le	IEC/EN			
oporational outront to	AC1/AC21A			
			А	20
	AC15			
		110V	А	10
		220/230V	Α	8
		380/400V	А	6
		660/690V	Α	1.5
Rated operational pow				
	Three-phase AC-3	220/2201/	1.1.1/	2
		220/230V 380/440V	kW kW	3 5.5
		500/690V	kW	5.5
	Single-phase AC-3	000/0001		0.0
		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
	0	500/690V	kW	7.5
	Single-phase AC23A			

7GN2026U65

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ENERGY AND AUTOMATION

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ed operational current in DC DC21A DC23A (poles in series) DC13	110V 220/230V 380/440V 48V 60V 110V 220V 440V 24V 48V 60V 110V 220V	kW kW A A A A A A A A A A A A A A A	0.8 2.5 3.7 20 20 4 0.6 0.25 20 (1) 20 (2) 20 (3) 10 (3)
DC21A DC23A (poles in series)	380/440V 48V 60V 110V 220V 440V 24V 48V 60V 110V	kW A A A A A A A A A A	3.7 20 20 4 0.6 0.25 20 (1) 20 (2) 20 (3)
DC21A DC23A (poles in series)	48V 60V 110V 220V 440V 24V 48V 60V 110V	A A A A A A A A	20 20 4 0.6 0.25 20 (1) 20 (2) 20 (3)
DC21A DC23A (poles in series)	60V 110V 220V 440V 24V 48V 60V 110V	A A A A A A A	20 4 0.6 0.25 20 (1) 20 (2) 20 (3)
DC23A (poles in series)	60V 110V 220V 440V 24V 48V 60V 110V	A A A A A A A	20 4 0.6 0.25 20 (1) 20 (2) 20 (3)
	60V 110V 220V 440V 24V 48V 60V 110V	A A A A A A A	20 4 0.6 0.25 20 (1) 20 (2) 20 (3)
	110V 220V 440V 24V 48V 60V 110V	A A A A A A A	4 0.6 0.25 20 (1) 20 (2) 20 (3)
	220V 440V 24V 48V 60V 110V	A A A A A A	0.6 0.25 20 (1) 20 (2) 20 (3)
	440V 24V 48V 60V 110V	A A A A A	0.25 20 (1) 20 (2) 20 (3)
	24V 48V 60V 110V	A A A A	20 (1) 20 (2) 20 (3)
	48V 60V 110V	A A A	20 (2) 20 (3)
DC13	48V 60V 110V	A A A	20 (2) 20 (3)
DC13	60V 110V	A A	20 (3)
DC13	110V	А	
DC13			10 (3)
DC13	220V	Α	
DC13			8 (4)
	24V	А	20
	48V	А	16
	60V	А	12
	110V	А	1
	220V	А	0.4
	440V	А	0.15
ver dissipation		W	0.8
chanical features			
minals screw			M3
htening torque for terminals max		Nm	0.5
nductor size			0.0
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	12
AWG - Flexible cable	IVICA	ANO	12
	min	AWG	20
	Max	AWG	20 14
Conductor size (IEC) Elevible coble	IVIdX	AWG	14
Conductor size (IEC) - Flexible cable			0.5
	min	mm²	0.5
Conductor size /IEO) Distil solution	Max	mm²	2.5
Conductor size (IEC) - Rigid cable			0.5
	min	mm²	0.5
	Max	mm²	2.5
chanical life		cycles	5x10⁰
technical data			
tor 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
bient conditions			
nperature			

Operating temperature

7GN2026U65

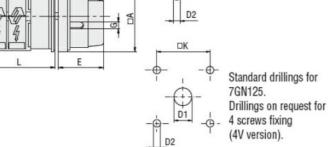
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7GN2026U65



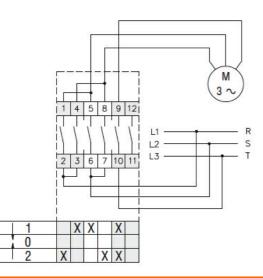
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					min		°C	-2	25		
					max		°C	+	55		
Storage temperature											
					min		°C	-4	40		
					max	2	°C	+	70		
Resistance & Protection											
Frontal IP degree								IF	P40		
Terminals IP degree								IF	0 0		
Dimensions											
1-5											
	Series	Series Dimensions L									
	061165	□A	D1	D2	E	G	□K	1	2	3	12
	7GN12	65	12	5	312	5	36	36.1	45.8	55.5	1/2 8



	Series			Dimer	nsions			L				
	261 162	$\Box A$	D1	D2	E	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	
1	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	
	3	9		2.5		<i>6</i> – 8	2	NG			90,	

Wiring diagrams



Certifications and 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	
cCSAus	
EAC	
UL	
	EC001029 - Selector switch, complete
	IEC/EN/BS 60947-1 IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1 UL60947-4-1 cCSAus EAC UL

7GN2026U65