

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation				Rotary cam
_	switches			
Product type designation	1			7GN20
General characteristics				
				53 - Changeover
				switch 3 poles - 2
Switching diagram				speed motor starting with
				separate
				windings
N° of elements				3
				U - Front
Mounting form				mounting with
				black handle
Contact characteristics				
Rated insulation voltage	Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand			kV	6
Conventional free air the	rmal current Ith			
		IEC/EN	Α	20
		UL/CSA	A	20
Rated operational voltag			V	480
Rated operational impuls			kV	4
Maximum fuse size for s	hort-circuit protection In (gG)	4.01- 0	^	00
		10kA	A	20
		15kA 25kA	A	16
Rated short time current	low	ZOKA	A	16
Rated Short time current	ICW	10	۸	250
Conductivity		1s	A	10/5 mA/V
Operational current le IE	C/ENI			10/5 MA/ V
-	AC1/AC21A			
,	ACT/ACZTA		Α	20
-	AC15			20
•	A013	110V	Α	10
		220/230V	A	8
		380/400V	Α	6
		660/690V	Α	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





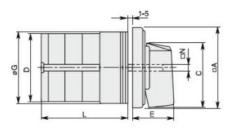
ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

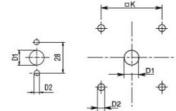
		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A			
	111100 phase 7102071	220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre	ent in DC			
rated operational carry	DC21A			
	DCZTA	40)/	^	00
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V		
			A	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	A	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 to	erminals may		Nm	0.5
Conductor size	Cirilliais max		1 1111	0.0
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) Flavible cable	ividX	AWG	
	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			Cycles	
	on line control			
Motor power for direct-				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		600V	HP	10
	for single-phase motor	0001		
	for single phase motor	120V	HP	0.75
		240V	HP	2
Ambient conditions		240 V	1111	2
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				

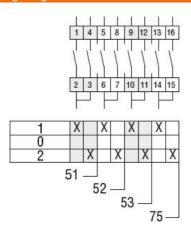




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Series	Dimensions					L Number of elements															
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3



7GN2053U

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

	IEC/EN/BS 60947-5-1
	UL60947-4-1
Certificates	
	cCSAus
	EAC
	UL
ETIM classification	

EC001105 - Off-ETIM 8.0 load switch