7GN3253P

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

Product designation			Rotary cam switches
Product type designation			7GN32
General characteristics			
Switching diagram			53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements			3
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	A	32
	UL/CSA	A	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	32
	15kA	A	32
	25kA	A	32
	50kA	A	32
Rated short time current Icw			
	1s	A	800
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A			
		A	32
AC15			
	110V	A	25
	220/230V	A	20
	380/400V	A	10
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC-3			
	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5
Three-phase AC23A			
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	18.5
Single-phase AC23A			

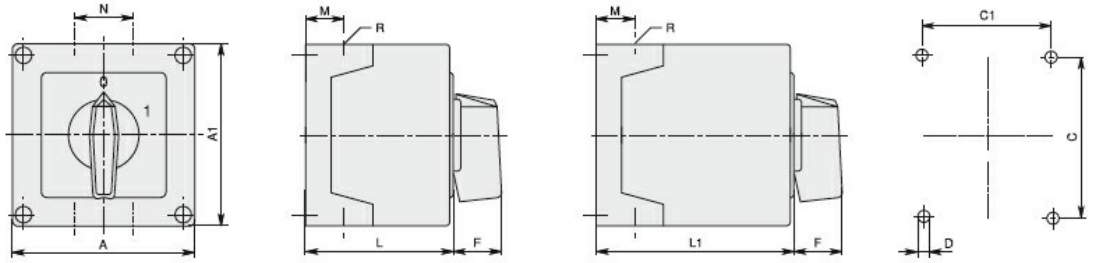
		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational current in DC				
	DC21A			
		48V	A	32
		60V	A	32
		110V	A	6
		220V	A	0.9
	DC23A (poles in series)			
		24V	A	32 (1)
		48V	A	32 (2)
		60V	A	32 (3)
		110V	A	15 (3)
		220V	A	12 (4)
	DC13			
		24V	A	32
		48V	A	25
		60V	A	16
		110V	A	3
		220V	A	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for terminals max			Nm	1.2
Conductor size				
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			
		min	mm²	1.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	6
Mechanical life			cycles	$5x10^6$
UL technical data				
Motor power for direct-on-line control				
	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	15
		600V	HP	15
	for single-phase motor			
		120V	HP	2
		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55

Storage temperature			
	min	°C	-40
	max	°C	+70

Resistance & Protection

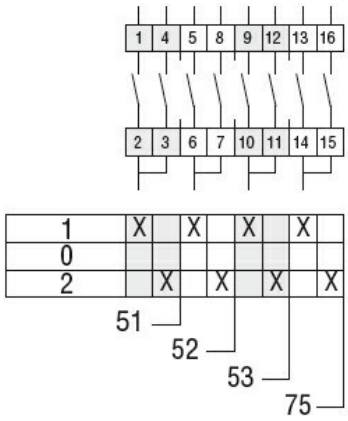
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



Series	Enclosure size	Number of elements L	Number of elements L1	A	A1	C	C1	D	F	M	N	L	L1	Cable entry	Protection degree
7GN12	75x75	1 - 2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20		1 - 2	3 - 4												
7GN25		1	2 - 3												
7GN12	90x90	1 - 3	4 - 6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20		1 - 3	4 - 6												
7GN25		1 - 2	3 - 4												
7GN32		1 - 2	3 - 4												
7GN40		1	2 - 3												
7GN12	110x110	1 - 4	5 - 8	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN20		1 - 4	5 - 8												
7GN25		1 - 3	4 - 5												
7GN32		1 - 3	4 - 5												
7GN40		1 - 2	3 - 5												
7GN63		1 - 2	3 - 4												
7GN32	125x175	1 - 3	4 - 5	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN40		1 - 2	3 - 4												
7GN63		1 - 2	3 - 4												
7GN125		1	2												
7GN32	180x254	1 - 5	6 - 8	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65
7GN40		1 - 4	5 - 7												
7GN63		1 - 3	4 - 6												
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

ETIM 8.0	EC001105 - Off-load switch