7GN6310P

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

Product designation			Rotary cam switches
Product type designation			7GN63
General characteristics			
Switching diagram			10 - ON/OFF switch 3 poles
N° of elements			2
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	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	63
	15kA	A	63
	25kA	A	63
	50kA	A	63
	63kA	A	63
Rated short time current Icw			
	1s	A	1600
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A			
		A	63
AC15			
	110V	A	32
	220/230V	A	25
	380/400V	A	15
	660/690V	A	4
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	11
	380/440V	kW	18.5
	500/690V	kW	18.5
Single-phase AC-3			
	110V	kW	3.7
	220/230V	kW	6.5
	380/440V	kW	11.5

Three-phase AC23A				
	220/230V	kW	12.5
	380/440V	kW	30
	500/690V	kW	30
Single-phase AC23A				
	110V	kW	3.7
	220/230V	kW	7.5
	380/440V	kW	12.5
Rated operational current in DC				
DC21A				
	48V	A	63
	60V	A	50
	110V	A	8
	220V	A	1
DC23A (poles in series)				
	24V	A	50 (1)
	48V	A	50 (2)
	60V	A	50 (3)
	110V	A	25 (3)
	220V	A	15 (4)
DC13				
	24V	A	63
	48V	A	40
	60V	A	28
	110V	A	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for terminals max			Nm	2
Conductor size				
AWG - Rigid cable				
	min		AWG	14
	Max		AWG	6
AWG - Flexible cable				
	min		AWG	14
	Max		AWG	8
Conductor size (IEC) - Flexible cable				
	min		mm²	2.5
	Max		mm²	10
Conductor size (IEC) - Rigid cable				
	min		mm²	2.5
	Max		mm²	16
Mechanical life			cycles	5x10⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V		HP	7.5
	240V		HP	15
	480V		HP	25
	600V		HP	25
for single-phase motor				
	120V		HP	3
	240V		HP	10
Ambient conditions				

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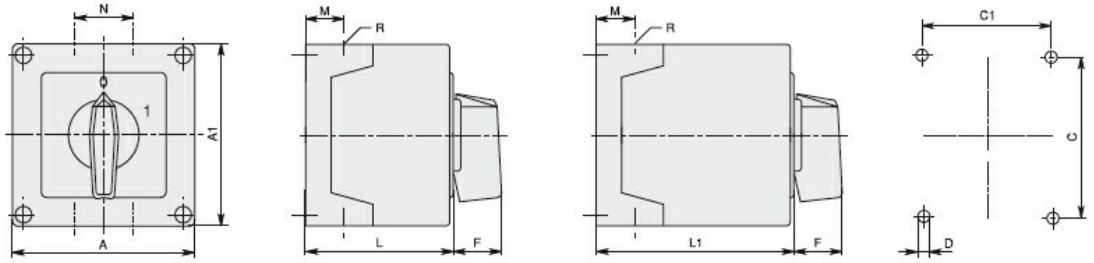
Temperature

Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70

Resistance & Protection

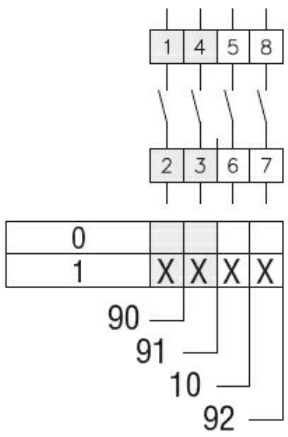
Frontal IP degree	IP65
Terminals IP degree	IP00

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