

Product designation	Rotary cam switches		
Product type designation	7GN125		
General characteristics			
Switching diagram	53 - Changeover switch 3 poles - 2 speed motor starting with separate windings		
N° of elements	3		
Mounting form	U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers		
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	125
	UL/CSA	A	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)	10kA	A	125
	15kA	A	100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current Icw	1 s	kA	2100
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A		A	125
AC15	110V	A	40
	220/230V	A	28
	380/400V	A	15
	660/690V	A	5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
Single-phase AC-3	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
Three-phase AC23A			

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES - 2 SPEED MOTOR
STARTING WITH SEPARATE WINDINGS 125A, FOR FRONT MOUNTING WITH RED/YELLOW
HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE: 90X90

	220/230V	kW	30
	380/440V	kW	45
	500/690V	kW	37
Single-phase AC23A			
	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
Rated operational current in DC			
DC21A			
	48V	A	125
	60V	A	80
	110V	A	10
	220V	A	1.2
DC23A (poles in series)			
	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
DC13			
	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
Power dissipation		W	6.3
Mechanical features			
Terminals screw		M2X5	
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable			
	min	AWG	14
	Max	AWG	1/0
AWG - Flexible cable			
	min	AWG	14
	Max	AWG	1/0
Conductor size (IEC) - Flexible cable			
	min	mm ²	2.5
	Max	mm ²	50
Conductor size (IEC) - Rigid cable			
	min	mm ²	2.5
	Max	mm ²	50
Mechanical life		cycles	1X10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	15
	240V	HP	25
	480V	HP	50
	600V	HP	40
for single-phase motor			
	120V	HP	5
	240V	HP	15

Ambient conditions

Temperature

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES - 2 SPEED MOTOR
STARTING WITH SEPARATE WINDINGS 125A, FOR FRONT MOUNTING WITH RED/YELLOW
HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE: 90X90

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
-------------------	------

Terminals IP degree	IP00
---------------------	------

ETIM classification

ETIM 8.0	EC001029 - Selector switch, complete
----------	--