

Product designation				Rotary cam switches
Product type designation				GN63
General characteristics				
Switching diagram				51
N° of elements				1
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	UL/CSA	A	60	
Rated operational voltage			V	480
Maximum fuse size for short-circuit protection In (gG)	10kA	A	63	
	25kA	A	63	
	50kA	A	63	
Rated short time current Icw	1s	A	1600	
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
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	mm ²	2.5
	Max	mm ²	10
Conductor size (IEC) - Rigid cable			
	min	mm ²	2.5
	Max	mm ²	16
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control for three-phase motor			
	480V	HP	25
Ambient conditions			
Temperature			
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			EC001105 - Off-load switch