

**General characteristics**

Switching diagram	53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements	3
Mounting form	P25 - Plastic enclosure with red/yellow handle

**Contact characteristics**

Rated insulation voltage $U_i$	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage $U_{imp}$		kV	6	
Conventional free air thermal current $I_{th}$	IEC/EN	A	16	
	UL/CSA	A	12	
Rated operational voltage		V	440	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16	
	15kA	A	16	
	25kA	A	16	
Rated short time current $I_{cw}$	1s	kA	250	
	Conductivity			10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		A	16
	AC15			
	110V	A	10	
	220/230V	A	8	
	380/400V	A	4	
	660/690V	A	1.5	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	3.5	
	380/440V	kW	4.5	
	500/690V	kW	5.5	
Single-phase AC-3	110V	kW	0.55	
	220/230V	kW	1.5	
	380/440V	kW	2.2	
Three-phase AC23A	220/230V	kW	3.7	
	380/440V	kW	6.5	
	500/690V	kW	7.5	
Single-phase AC23A	110V	kW	0.75	
	220/230V	kW	1.8	
	380/440V	kW	3	

**Rated operational current in DC**

ENCLOSED ROTARY CAM SWITCH GX SERIES, 2 SPEED MOTOR STARTING WITH SEPARATE WINDINGS 16A IN PLASTIC ENCLOSURE 90X90 WITH RED/YELLOW HANDLE

DC21A				
	48V	A		16
	60V	A		16
	110V	A		4
	220V	A		0.6
	440V	A		0.25
DC23A (poles in series)				
	24V	A		16 (1)
	48V	A		16 (2)
	60V	A		16 (3)
	110V	A		10 (3)
	220V	A		7 (4)
DC13				
	24V	A		16
	48V	A		14
	60V	A		10
	110V	A		1
	220V	A		0.4
	440V	A		0.15
Power dissipation		W		0.6
<b>Mechanical features</b>				
Terminals screw				3M
Tightening torque for terminals max		Nm		0.5
Conductor size				
AWG - Rigid cable				
	min	AWG		20
	Max	AWG		12
AWG - Flexible cable				
	min	AWG		20
	Max	AWG		12
Conductor size (IEC) - Flexible cable				
	min	mm <sup>2</sup>		0.5
	Max	mm <sup>2</sup>		2.5
Conductor size (IEC) - Rigid cable				
	min	mm <sup>2</sup>		0.5
	Max	mm <sup>2</sup>		2.5
Mechanical life		cycles		1X10 <sup>6</sup>
<b>UL technical data</b>				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP		1.5
	240V	HP		3
	480V	HP		5
	600V	HP		5
for single-phase motor				
	120V	HP		0.75
	240V	HP		1
<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C		-25
	max	°C		+55
Storage temperature				
	min	°C		-40

	max	°C	+70
<b>Resistance &amp; Protection</b>			
Frontal IP degree			IP65
Terminals IP degree			IP20
<b>ETIM classification</b>			
ETIM 8.0			EC001029 - Selector switch, complete