

General characteristics

Switching diagram	51 - Changeover switch 1 pole
N° of elements	1
Mounting form	O48 - Modular service cover for 35mm din rail mounting with black handle

Contact characteristics

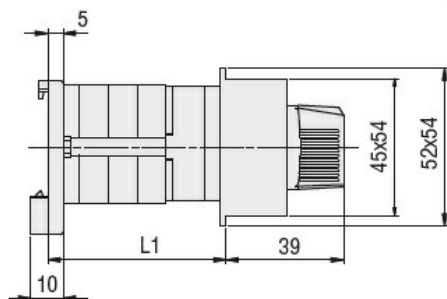
Rated insulation voltage Ui	IEC/EN	V	690		
	UL/CSA	V	600		
Rated impulse withstand voltage Uimp		kV	6		
Conventional free air thermal current Ith	IEC/EN	A	20		
	UL/CSA	A	20		
Rated operational voltage		V	480		
Rated operational impulse voltage		kV	4		
Maximum fuse size for short-circuit protection In (gG)	10kA	A	20		
	15kA	A	16		
	25kA	A	16		
Rated short time current Icw					
	1s	kA	250		
Conductivity			10/5 mA/V		
Operational current Ie IEC/EN	AC1/AC21A				
		A	20		
	AC15	110V	A	10	
		220/230V	A	8	
		380/400V	A	6	
		660/690V	A	1.5	
	Rated operational power in AC	Three-phase AC-3	220/230V	kW	3
			380/440V	kW	5.5
			500/690V	kW	5.5
		Single-phase AC-3	110V	kW	0.8
220/230V			kW	2.2	
380/440V			kW	3	
Three-phase AC23A		220/230V	kW	5	
		380/440V	kW	7.5	
		500/690V	kW	7.5	
Single-phase AC23A		110V	kW	0.8	
	220/230V	kW	2.5		
	380/440V	kW	3.7		
Rated operational current in DC					
	DC21A				

		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
DC23A (poles in series)				
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
DC13				
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
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	14
Conductor size (IEC) - Flexible cable				
		min	mm ²	0.5
		Max	mm ²	2.5
Conductor size (IEC) - Rigid cable				
		min	mm ²	0.5
		Max	mm ²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
for single-phase motor				
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
Operating temperature				
		min	°C	-25
		max	°C	+55
Storage temperature				
		min	°C	-40
		max	°C	+70

Resistance & Protection

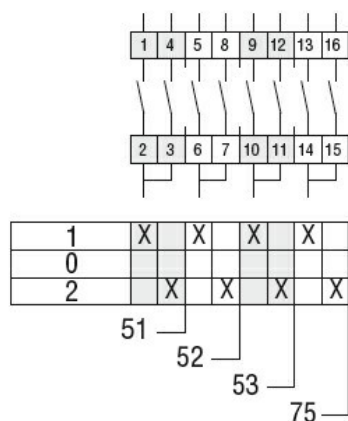
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	L1		
	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN/BS 60947-1
IEC/EN/BS 60947-3
IEC/EN/BS 60947-5-1
UL60947-4-1

Certificates

cCSAus
EAC
UL

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete