

General characteristics

Switching diagram	82 - Multi-step 1-2-3 1 pole
N° of elements	2
Mounting form	O48 - Modular service cover for 35mm din rail mounting with black handle

Contact characteristics

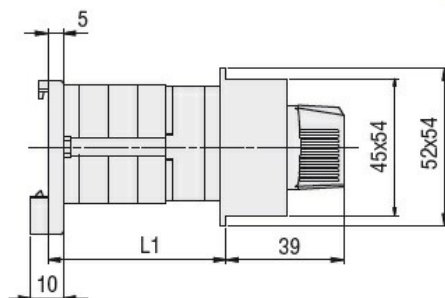
Rated insulation voltage Ui	IEC/EN	V	690		
	UL/CSA	V	600		
Rated impulse withstand voltage Uimp		kV	6		
Conventional free air thermal current Ith	IEC/EN	A	25		
	UL/CSA	A	30		
Rated operational voltage		V	480		
Rated operational impulse voltage		kV	4		
Maximum fuse size for short-circuit protection In (gG)	10kA	A	25		
	15kA	A	25		
	25kA	A	25		
Rated short time current Icw	1s	kA	400		
			10/5 mA/V		
Conductivity					
Operational current Ie IEC/EN AC1/AC21A		A	25		
	AC15	110V	A	16	
		220/230V	A	12	
		380/400V	A	8	
		660/690V	A	2	
		Three-phase AC-3	220/230V	kW	5.5
	380/440V		kW	7.5	
	500/690V		kW	7.5	
	Single-phase AC-3		110V	kW	1.5
			220/230V	kW	3
380/440V		kW	5.5		
Three-phase AC23A	220/230V	kW	6.5		
	380/440V	kW	11		
	500/690V	kW	11		
	Single-phase AC23A	110V	kW	1.5	
		220/230V	kW	3.7	
		380/440V	kW	5.5	
Rated operational current in DC DC21A					

		48V	A	25
		60V	A	25
		110V	A	4
		220V	A	0.7
DC23A (poles in series)				
		24V	A	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
		220V	A	10 (4)
DC13				
		24V	A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for terminals max			Nm	0.8
Conductor size				
AWG - Rigid cable				
	min	AWG		20
	Max	AWG		10
AWG - Flexible cable				
	min	AWG		20
	Max	AWG		12
Conductor size (IEC) - Flexible cable				
	min	mm ²		0.5
	Max	mm ²		4
Conductor size (IEC) - Rigid cable				
	min	mm ²		0.5
	Max	mm ²		4
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP		3
	240V	HP		5
	480V	HP		10
	600V	HP		15
for single-phase motor				
	120V	HP		1.5
	240V	HP		3
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

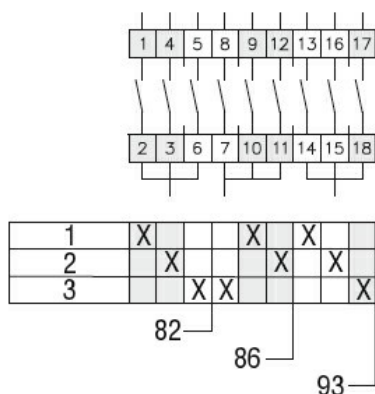
IP00

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