



General characteristics

Switching diagram	10 - ON/OFF switch 3 poles
N° of elements	2
Mounting form	U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers

Contact characteristics

Rated insulation voltage U_i	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage U_{imp}		kV	6
Conventional free air thermal current I_{th}	IEC/EN UL/CSA	A A	40 50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA 15kA 25kA 50kA 63kA	A A A A A	40 40 40 40 40
Rated short time current I_{cw}	1s 60s	kA A	1000 1000
Conductivity			10/5 mA/V
Operational current I_e IEC/EN AC1/AC21A		A	40
AC15	110V 220/230V 380/400V 660/690V	A A A A	25 22 12 2
Rated operational power in AC Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	8 15 15
Single-phase AC-3	110V 220/230V	kW kW	3 6.5

		380/440V	kW	8
Three-phase AC23A		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
Single-phase AC23A		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational current in DC				
DC21A		48V	A	40
		60V	A	40
		110V	A	6
		220V	A	0.9
DC23A (poles in series)		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	A	12 (4)
DC13		24V	A	40
		48V	A	32
		60V	A	16
		110V	A	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for terminals max			Nm	1.2
Conductor size				
AWG - Rigid cable		min	AWG	16
		Max	AWG	8
AWG - Flexible cable		min	AWG	16
		Max	AWG	10
Conductor size (IEC) - Flexible cable		min	mm ²	1.5
		Max	mm ²	6
Conductor size (IEC) - Rigid cable		min	mm ²	1.5
		Max	mm ²	10
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
for single-phase motor		120V	HP	2
		240V	HP	5

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

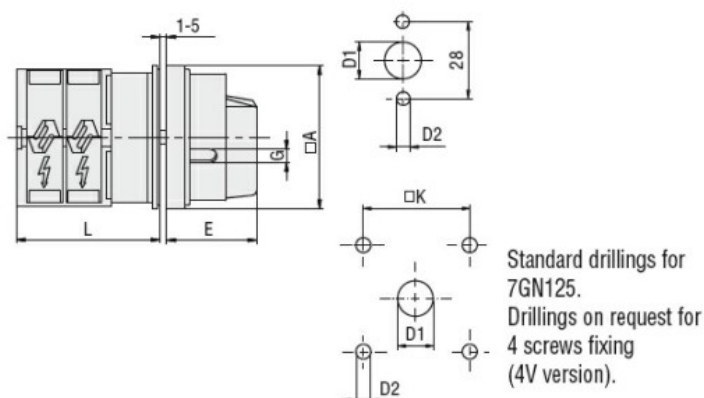
Frontal IP degree

IP40

Terminals IP degree

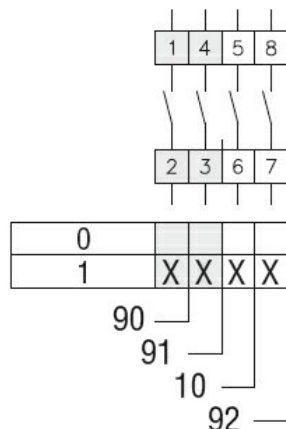
IP00

Dimensions



Series	Dimensions						L			
	□A	D1	D2	E	G	□K	1	2	3....12	
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

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

EC001105 - Off-load switch