



EPI Series Isolating Switch

Application

Standard	Confirming to EN / IEC60947-3
Number of poles	1P, 2P, 3P, 4P
Rated currents	16, 20, 25, 32, 40, 50, 63, 80, 100, 125A
Rated voltage	1pole 230/400V AC 50/60Hz 2,3,4pole 400V AC 50/60Hz
Utilization category	AC-22A
Icw	12Ie, t=0.1s
Rated short-circuit making capacity Icm	20Ie, t=0.1s
Rated making & breaking capacity	3Ie, 1.05Ue, COSφ =0.65
Rated insulation voltage Ui	690V
Rated impulse withstand voltage Uimp	4000V
Electrical endurance	1500
Mechanical endurance	10000
Type of terminal	Lug type and Pin type
Terminal capacity	Cables up to 50mm ²
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.5mm per pole

1. Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electric endurance	1500	120/h	16~125A
Mechanical endurance	10000	120/h	16~125A

2. Wiring

The suitable conductors should be used for connection, see table below for relative parameters.

Rated current In (A)	Cross section area S (mm ²)	Tightening torque (N . m)
16	2.5	2.5
20	2.5	2.5
25	4	2.5
32	6	2.5
40	10	2.5
50	10	2.5
63	16	3.5
80	35	3.5
100	35	3.5
125	50	3.5

3. Features

1. Current capacity is enhanced and electric drive compensation is fully applied
2. Reliable operation thanks to special designed operating mechanism
3. Safe operation is ensured

4. Overall and mounting dimensions

