

EPI-R Series Isolating Switch

Technical data

Standard	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 240VAC 50/60Hz 2,3,4Pole 415VAC 50/60Hz
Utilization category	AC-22A
Icw	12Ie, t=1s
Rated short-circuit making capacity Icm	20Ie
Rated making & breaking capacity	3Ie, 1.05Ue, COS φ =0.65
Rated insulation voltage Ui	690V
Rated impulse withstand voltage Uimp	6000V
Electrical endurance	1500
Mechanical endurance	10000
Type of terminal	Lug type and Pin type
Terminal capacity	Cables up to 50mm ²
Ambient temperature (°C)	-5~+35, Max.95% humidity
Storage temperature(°C)	-40~+75
Altitude (meters)	Max. 2,000
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole



EPI-R-1P



EPI-R-2P



EPI-R-3P



EPI-R-4P

EPI-R Isolating Switch



1P



2P



3P



4P

Pole	In	Model	Packing unit
1P	16A	EPI-R-16/1	12
1P	20A	EPI-R-20/1	12
1P	25A	EPI-R-25/1	12
1P	32A	EPI-R-32/1	12
1P	40A	EPI-R-40/1	12
1P	50A	EPI-R-50/1	12
1P	63A	EPI-R-63/1	12
1P	80A	EPI-R-80/1	12
1P	100A	EPI-R-100/1	12
1P	125A	EPI-R-125/1	12
2P	16A	EPI-R-16/2	6
2P	20A	EPI-R-20/2	6
2P	25A	EPI-R-25/2	6
2P	32A	EPI-R-32/2	6
2P	40A	EPI-R-40/2	6
2P	50A	EPI-R-50/2	6
2P	63A	EPI-R-63/2	6
2P	80A	EPI-R-80/2	6
2P	100A	EPI-R-100/2	6
2P	125A	EPI-R-125/2	6
3P	16A	EPI-R-16/3	4
3P	20A	EPI-R-20/3	4
3P	25A	EPI-R-25/3	4
3P	32A	EPI-R-32/3	4
3P	40A	EPI-R-40/3	4
3P	50A	EPI-R-50/3	4
3P	63A	EPI-R-63/3	4
3P	80A	EPI-R-80/3	4
3P	100A	EPI-R-100/3	4
3P	125A	EPI-R-125/3	4
4P	16A	EPI-R-16/4	3
4P	20A	EPI-R-20/4	3
4P	25A	EPI-R-25/4	3
4P	32A	EPI-R-32/4	3
4P	40A	EPI-R-40/4	3
4P	50A	EPI-R-50/4	3
4P	63A	EPI-R-63/4	3
4P	80A	EPI-R-80/4	3
4P	100A	EPI-R-100/4	3
4P	125A	EPI-R-125/4	3

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

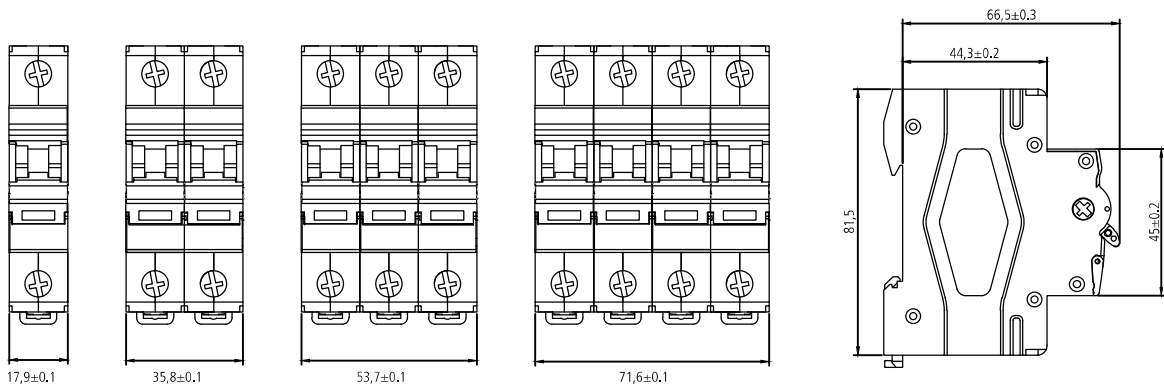
The suitable conductors should be used for connection, see table below for relative parameters.

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



EPI-R