

MCB SERIES

Miniature Circuit Breaker



Products Overview of Circuit Breakers

Product name	ISOLATING SWITCH
Product range	SGL-R
Product picture	
Standard	GB/T 14048.3 IEC/EN 60947-3
Number of poles	1P,2P,3P,4P
Electrical characteristics	
Rated current(A) In	16-125
Rated voltage(V)	AC 240,415
AC rated short-circuit capacity(kA)	
Breaking capacity (Icn/Icu)kA	-
Tripping curve	-
Type	AC
Electrical auxiliaries	-
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SGI-R Series

Isolating Switch

Standard	EN/IEC60947-3 GB/T 14048.3
Number of poles	1P,2P,3P,4P
Rated currents	16,20,25,32,40,50,63,80,100,125A
Rated voltage(V)	1P AC 240 2,3,4P AC 415
Utilization category	AC-22A
Rated short-time withstand current I _{cw} (Ie)	12/1s
Rated short-circuit making capacity I _{cm} (Ie)	20
Rated making & breaking capacity	3I _e ,1.05U _e ,COSΦ=0.65
Rated insulation voltage U _i (V)	690
Rated impulse withstand voltage U _{imp} (kV)	6
Electrical endurance	1500
Mechanical endurance	8500
Terminal capacity	Cables up to 35 mm ²
Ambient temperature(°C)	-25~+40,Max.95%humidity
Storage temperature(°C)	-20~+60
Altitude (meters)	Max. 2000
Protection degree	IP20
Installation	Mounting on 35mm DIN rail
Width	17.8mm per pole
Certification	  



SGI-R-1P



SGI-R-2P



SGI-R-3P



SGI-R-4P

SGI-R Series		Isolating Switch	
	Rated current(A)	IEC60898-1	Packing unit
 SGI-R-1P	16	SGI-R-16/1	12
	20	SGI-R-20/1	
	25	SGI-R-25/1	
	32	SGI-R-32/1	
	40	SGI-R-40/1	
	50	SGI-R-50/1	
	63	SGI-R-63/1	
	80	SGI-R-80/1	
	100	SGI-R-100/1	
	125	SGI-R-125/1	
 SGI-R-2P	16	SGI-R-16/2	6
	20	SGI-R-20/2	
	25	SGI-R-25/2	
	32	SGI-R-32/2	
	40	SGI-R-40/2	
	50	SGI-R-50/2	
	63	SGI-R-63/2	
	80	SGI-R-80/2	
	100	SGI-R-100/2	
	125	SGI-R-125/2	
 SGI-R-3P	16	SGI-R-16/3	4
	20	SGI-R-20/3	
	25	SGI-R-25/3	
	32	SGI-R-32/3	
	40	SGI-R-40/3	
	50	SGI-R-50/3	
	63	SGI-R-63/3	
	80	SGI-R-80/3	
	100	SGI-R-100/3	
	125	SGI-R-125/3	
 SGI-R-4P	16	SGI-R-16/4	3
	20	SGI-R-20/4	
	25	SGI-R-25/4	
	32	SGI-R-32/4	
	40	SGI-R-40/4	
	50	SGI-R-50/4	
	63	SGI-R-63/4	
	80	SGI-R-80/4	
	100	SGI-R-100/4	
	125	SGI-R-125/4	

SGI-R Series

Isolating Switch

Endurance(operations)

Category	Operations	Operation frequency	Rated current
Electrical endurance	1500	120/h	16~125A
Mechanical endurance	8500	120/h	16~125A

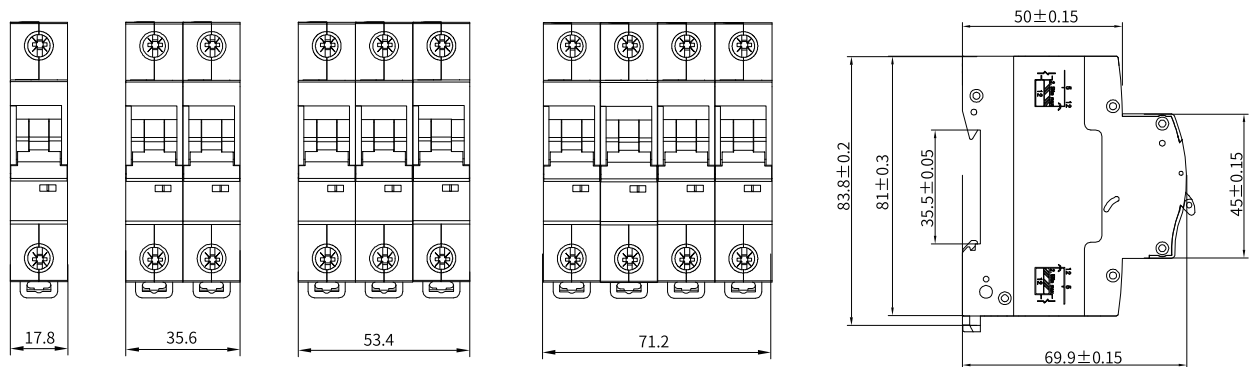
Wiring (The suitable conductors should be used for connection, see table below for relative parameters)

Rated current $I_n(A)$	Nominal cross section area $s(mm^2)$	Tightening torque (N.m)
16	2.5	2.5
20	2.5	
25	4	
32	6	
40	10	
50	10	
63	16	
80	35	
80	35	
100	35	3.5
125	50	

Features

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

Overall and mounting dimensions



SGI-R