SG10611



SG10711



SG10811



SG10911



SG47812



Main Load Disconnector Switch (Isolator) IS

Rated Current (A)	Poles	Type Designation	Article No.	Units per package
16	1	IS-16/1	276254	12 / 120
16	2	IS-16/2	276255	1 / 60
16	3	IS-16/3	276256	1 / 40
16	4	IS-16/4	276257	1 / 30
20	1	IS-20/1	276258	12 / 120
20	2	IS-20/2	276259	1 / 60
20	3	IS-20/3	276260	1 / 40
20	4	IS-20/4	276261	1 / 30
25	1	IS-25/1	276262	12 / 120
25	2	IS-25/2	276263	1 / 60
25	3	IS-25/3	276264	1 / 40
25	4	IS-25/4	276265	1 / 30
32	1	IS-32/1	276266	12 / 120
32	2	IS-32/2	276267	1 / 60
32	3	IS-32/3	276268	1 / 40
32	4	IS-32/4	276269	1 / 30
40	1	IS-40/1	276270	12 / 120
40	2	IS-40/2	276271	1 / 60
40	3	IS-40/3	276272	1 / 40
40	4	IS-40/4	276273	1 / 30
63	1	IS-63/1	276274	12 / 120
63	2	IS-63/2	276275	1 / 60
63	3	IS-63/3	276276	1 / 40
63	4	IS-63/4	276277	1 / 30
80	1	IS-80/1	276278	12 / 120
80	2	IS-80/2	276279	1 / 60
80	3	IS-80/3	276280	1 / 40
80	4	IS-80/4	276281	1 / 30
100	1	IS-100/1	276282	12 / 120
100	2	IS-100/2	276283	1 / 60
100	3	IS-100/3	276284	1 / 40
100	4	IS-100/4	276285	1 / 30
125	1	IS-125/1	276286	12 / 120
125	2	IS-125/2	276287	1 / 60
125	3	IS-125/3	276288	1 / 40
125	4	IS-125/4	276289	1 / 30

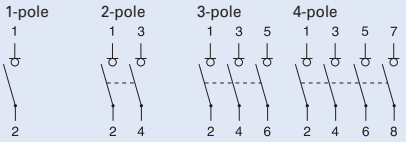
Accessories

Switching interlock without lock for Isolators, RCDs, combined RCD/MCBs, ...	IS/SPE-1TE	101911	5 / 30
Terminal cover	Z-IS/AK-1TE	276290	10 / 600

Main Load Disconnector Switch (Isolator) IS

- Load circuit breaker with isolating function
- Design according to IEC/EN 60947-3
- Highly wear resistant contacts
- Quick make, black toggle
- Terminal capacity 50 mm²
- Compatible busbars with switchgear series Xpole by use of the mouth terminal in combination with standard fork busbar

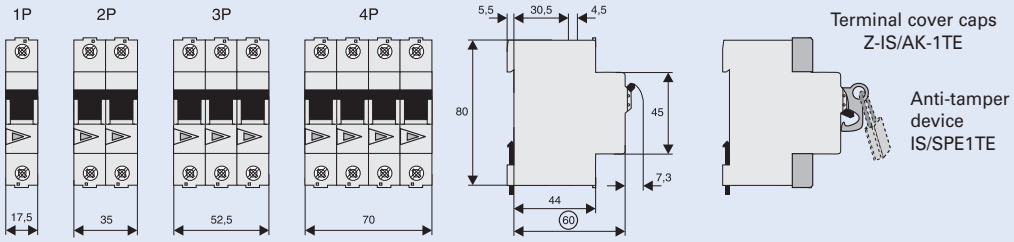
Connection diagram



Technical Data

	IS-16	IS-20	IS-25	IS-32	IS-40	IS-63	IS-80	IS-100	IS-125
Electrical									
Design according to	IEC/EN 60947-3								
Rated voltage	240/415V								
Frequency	50/60 Hz								
Rated insulation voltage U_i	690 V~								
Rated peak withstand voltage U_{imp}	6 kV								
Pollution degree	3								
Rated short-time withstand current I_{cw}	2 kA								
Rated short-circuit making capacity I_{cm}	2.8 kA								
Rated current									
240/415V, AC23A	16 A	20 A	25 A	32 A	40 A	63 A	80 A	100 A	125 A
Number of poles	1-, 2-, 3-, 4-pole								
Maximum back-up fuse	125 A gG								
Short circuit strength - with back-up fuse acc. to the applicable rules									
IEC/EN 60947-3	12.5 kA	12.5 kA	12.5 kA	12.5 kA	12.5 kA	12.5 kA	12.5 kA	10 kA	10 kA
Endurance									
electrical comp. op. cycles	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 2,000
mechanical comp. op. cycles	≥ 16,000	≥ 16,000	≥ 16,000	≥ 16,000	≥ 16,000	≥ 16,000	≥ 16,000	≥ 16,000	≥ 14,000
Mechanical									
Frame size	45 mm								
Device height	80 mm								
Device width	17.5mm/pole								
Mounting	quick fastening with 2 lock-in positions on DIN rail IEC/EN 60715								
Degree of protection, built-in	IP40								
Terminal protection	finger and hand touch safe according to BGV A3								
Terminals	Twin-purpose terminals								
Terminal capacity	2.5 - 50 mm²								
Busbar thickness	0.8-1.0 mm								
Fastening torque of terminal screws	2.5 - 5 Nm								
Function	irrespective of the position of installation								

Dimensions (mm)



Switching interlock IS/SPE-1TE

- Without lock
- Also suitable for PFIM, CFI6, PKNM, CKN6

Terminal Cover Caps Z-IS/AK-1TE

- Can be sealed with leads
- Modular design, width 1 MU

xPole

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