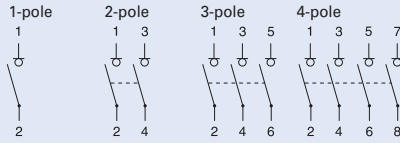


Controlling & Switching

Main Load Disconnecter 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



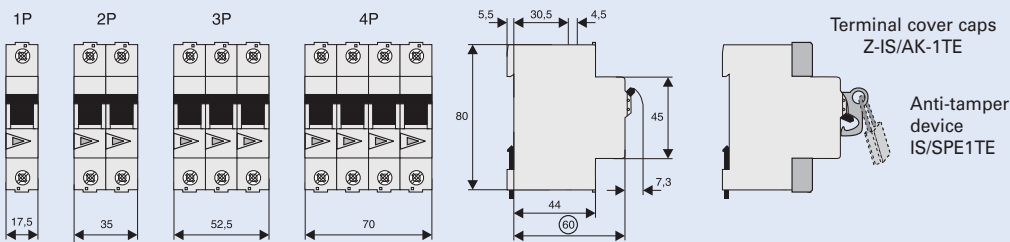
Technical Data

	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}	1 kA	1 kA	1 kA	1 kA	1 kA	1 kA	2 kA	2 kA	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 mm ²								
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