

wa_sg03320_1



Description

- Load circuit breaker with isolating function
- Highly wear resistant contacts
- Quick make
- Terminal capacity 50 mm²
- Compatible busbars
- 1-, 2-, 3-, 4-pole

Main Load Disconnecter Switch (Isolator) HIS

	Rated Current (A)	Number of Poles	Type Designation	Article No.	Units per package
 wa_sg00920_I	20	1	HIS-20/1	167342	12/120
	20	2	HIS-20/2	167343	1/60
	20	3	HIS-20/3	167344	1/40
	20	4	HIS-20/4	167345	1/30
	25	1	HIS-25/1	167346	12/120
	25	2	HIS-25/2	167347	1/60
	25	3	HIS-25/3	167348	1/40
	25	4	HIS-25/4	167349	1/30
 wa_sg01720_I	32	1	HIS-32/1	167350	12/120
	32	2	HIS-32/2	167351	1/60
	32	3	HIS-32/3	167352	1/40
	32	4	HIS-32/4	167353	1/30
	40	1	HIS-40/1	142816	12/120
	40	2	HIS-40/2	142817	1/60
	40	3	HIS-40/3	142818	1/40
	40	4	HIS-40/4	142819	1/30
 wa_sg02520_I	63	1	HIS-63/1	142820	12/120
	63	2	HIS-63/2	142821	1/60
	63	3	HIS-63/3	142822	1/40
	63	4	HIS-63/4	142823	1/30
	80	1	HIS-80/1	142824	12/120
	80	2	HIS-80/2	142825	1/60
	80	3	HIS-80/3	142826	1/40
	80	4	HIS-80/4	142827	1/30
 wa_sg03320_I	100	1	HIS-100/1	142828	12/120
	100	2	HIS-100/2	142829	1/60
	100	3	HIS-100/3	142830	1/40
	100	4	HIS-100/4	142831	1/30
	125	1	HIS-125/1	142832	12/120
	125	2	HIS-125/2	142833	1/60
	125	3	HIS-125/3	142834	1/40
	125	4	HIS-125/4	142835	1/30

Accessories

	Description	Type Designation	Article No.	Units per package
 SG47812	PHASE OUT Switching interlock without lock for Isolators, RCDs, combined RCD/MCBs, ...	IS/SPE-1TE	101911	5/30
 sg01215	Terminal cover	Z-IS/AK-1TE	276290	10/600

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

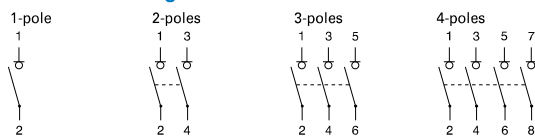
Description

- 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

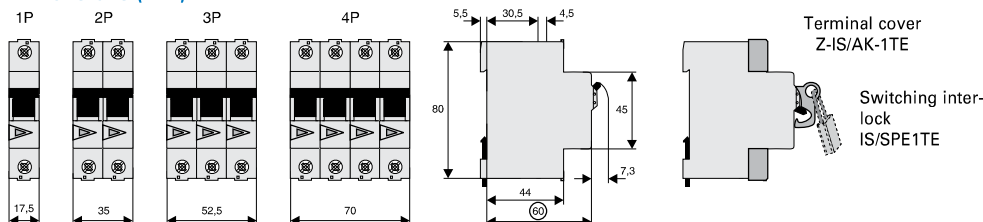
Technical Data

		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		240/415 V							
Frequency		50/60 Hz							
Rated insulation voltage	U _i	690 V~							
Rated impulse 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		20 A	25 A	32 A	40 A	63 A	80 A	100 A	125 A
Number of poles		1-, 2-, 3-, 4-poles							
Maximum back-up fuse		125 A gG							
Short circuit strength - with back-up fuse according to IEC/EN 60947-3		12.5 kA	12.5 kA	12.5 kA	12.5 kA	12.5 kA	12.5 kA	10 kA	10 kA
Endurance									
Electrical components operation cycles		≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 3,000	≥ 2,000
Mechanical components operation cycles		≥ 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		17.5 mm/Pol							
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 top and bottom		open mouthed/lift terminals							
Terminal capacity		2.5 - 50 mm²							
Busbar thickness		0.8 - 2 mm							
Fastening torque of terminal screws		2.5 - 5 Nm							
Function		irrespective of the position of installation							

Connection diagram



Dimensions (mm)



Derating table for Main Load Disconnect Switch (Isolator) HIS above 2000m sea level

60947-3

 U_n 240/415

Above sea level (m)	Overvoltage category	Disconnect function	U_n	U_i	U_{imp}	I/I_n
m	x	x	V	V	kV	x
≤2000	III	yes	240/415	690	6	1
>2000-2500	III	yes	240/415	415	4	0.93
>2500-3000	III	yes	240/415	415	4	0.88
>3000-3500	III	yes	240/415	415	4	0.83
>3500-4000	III	yes	240/415	415	4	0.78