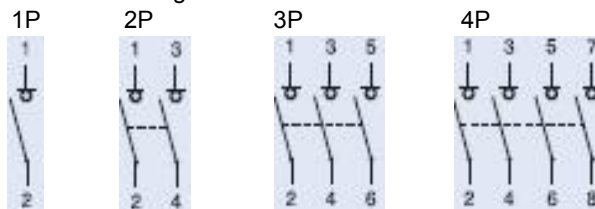


## Main Load Disconnecter Switches (Isolators), IS

- Load circuit breaker with isolating function
- Design according to IEC/EN60947-3
- Highly wear resistant contacts
- Quick make, black toggle
- Terminal capacity 50mm<sup>2</sup>
- Compatible busbars with switchgear series xPoles by use of the mouth terminal in combination with standard fork busbar





Connection diagram



### Technical Data

Disconnecter Switch	IS-16	IS-20	IS-25	IS-32	IS-40	IS-63	IS-80	IS-100	IS-125
Mounting	Quick-fastening with 2 lock-in positions on DIN rail, IEC/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 to 50mm <sup>2</sup>								
Busbar thickness	0.8 to 1.0mm								
Fastening torque of screws	2.5 to 5.0Nm								
Function	Irrespective of the position of installation								
Design according to	IEC/EN 60947-3								
Rated voltage	240/450VAC								
Frequency	50/60Hz								
Number of poles	1, 2, 3, 4-pole								
Rated current, 240/415V, AC23A	16A	20A	25A	32A	40A	63A	80A	100A	125A
Rated insulation voltage, U <sub>i</sub>	690V								
Rated peak withstand voltage, U <sub>imp</sub>	6kV								
Rated short-time withstand current, I <sub>cw</sub>	2kA								
Rated short-time making capacity, I <sub>cm</sub>	2.8kA								

### Selection Table

	Rated Current, I <sub>n</sub>	Poles	Type Designation	Article Number	Units/Pack
 1P	16A	1	IS-16/1	276254	12/120
		2	IS-16/2	276255	6/60
		3	IS-16/3	276256	4/40
		4	IS-16/4	276257	3/30
 2P	20A	1	IS-20/1	276258	12/120
		2	IS-20/2	276259	6/60
		3	IS-20/3	276260	4/40
		4	IS-20/4	276261	3/30
 2P	25A	1	IS-25/1	276262	12/120
		2	IS-25/2	276263	6/60
		3	IS-25/3	276264	4/40
		4	IS-25/4	276265	3/30
 3P	32A	1	IS-32/1	276266	12/120
		2	IS-32/2	276267	6/60
		3	IS-32/3	276268	4/40
		4	IS-32/4	276269	3/30
 3P	40A	1	IS-40/1	276270	12/120
		2	IS-40/2	276271	6/60
		3	IS-40/3	276272	4/40
		4	IS-40/4	276273	3/30
 3P	63A	1	IS-63/1	276274	12/120
		2	IS-63/2	276275	6/60
		3	IS-63/3	276276	4/40
		4	IS-63/4	276277	3/30
 3P	80A	1	IS-80/1	276278	12/120
		2	IS-80/2	276279	6/60
		3	IS-80/3	276280	4/40
		4	IS-80/4	276281	3/30
 4P	100A	1	IS-100/1	276282	12/120
		2	IS-100/2	276283	6/60
		3	IS-100/3	276284	4/40
		4	IS-100/4	276285	3/30
 4P	125A	1	IS-125/1	276286	12/120
		2	IS-125/2	276287	6/60
		3	IS-125/3	276288	4/40
		4	IS-125/4	276289	3/30