






5TL1 Isolator

Technical parameter

Type			5TL1					
Standard			IEC60947-3					
Rated current		A	32	40	63	80	100	125
Rated voltage	1 pole	VAC	250V					
	Multi poles	VAC	440V					
Rated dissipation power P _v	Per pole, max	VA	0.7	0.9	2.2	3.5	5.5	8.6
Rated thermal current		A	32	40	63	80	100	125
Rated breaking capacity	p.f.=0.65	A	96	120	196	240	300	375
Rated making capacity	p.f.=0.65	A	96	120	196	240	300	375
Rated short-circuit making capacity I _{cm}	EN60269 gL/gG	kA	10					
Rated impulse withstand voltage U _{imp}		kV	≤ 6					
Rated short-time withstand current		A	≤ 12ln/1s					
Mechanical service life			20000					
Electrical service life			10000			1500		1000
Rated power	1 pole	kW	5	6.5	10	13	16	20
Switching of resistive loads including moderate overload AC-21	2 poles	kW	9	11	18	22	28	35
	3/4 poles	kW	15	15	30	39	48	60
Conductor cross-sections	Rigid	mm ²	0.75-25			2.5...50		
	Flexible, with end sleeve	mm ²	0.75-16			2.5...35		
Ambient temperature		°C	-5-40					

Selection and ordering code

	Rated current In(A)	Width (18mm)	Max. cross section (mm ²)	Type	Ordering code	Stock information	Minimum purchase quantity	Minimum package	Weight kg
	Isolator (32 to 125A), AS can be combined								
	1P, 230V AC								
	32	1	35	5TL1 32A 1P	5TL1132-0	PTO	1	12	0.100
	40			5TL1 40A 1P	5TL1140-0	PTO	1	12	0.100
	63	50	50	5TL1 63A 1P	5TL1163-0	PTO	1	12	0.100
	80			5TL1 80A 1P	5TL1180-0	PTO	1	12	0.100
	100			5TL1 100A 1P	5TL1191-0	PTO	1	12	0.110
125	5TL1 125A 1P			5TL1192-0	PTO	1	12	0.110	
2P, 400V AC									
	32	2	35	5TL1 32A 2P	5TL1232-0	PTO	1	6	0.200
	40			5TL1 40A 2P	5TL1240-0	PTO	1	6	0.200
	63	50	50	5TL1 63A 2P	5TL1263-0	PTO	1	6	0.200
	80			5TL1 80A 2P	5TL1280-0	PTO	1	6	0.200
	100			5TL1 100A 2P	5TL1291-0	PTO	1	6	0.220
	125			5TL1 125A 2P	5TL1292-0	PTO	1	6	0.220
	3P, 400V AC								
	32	3	35	5TL1 32A 3P	5TL1332-0	PTO	1	4	0.300
	40			5TL1 40A 3P	5TL1340-0	PTO	1	4	0.300
	63	50	50	5TL1 63A 3P	5TL1363-0	PTO	1	4	0.300
	80			5TL1 80A 3P	5TL1380-0	PTO	1	4	0.300
	100			5TL1 100A 3P	5TL1391-0	PTO	1	4	0.330
	125			5TL1 125A 3P	5TL1392-0	PTO	1	4	0.330
	3P+N, 400V AC								
	32	4	35	5TL1 32A 3P+N	5TL1632-0	PTO	1	3	0.400
	40			5TL1 40A 3P+N	5TL1640-0	PTO	1	3	0.400
	63	50	50	5TL1 63A 3P+N	5TL1663-0	PTO	1	3	0.400
	80			5TL1 80A 3P+N	5TL1680-0	PTO	1	3	0.400
	100			5TL1 100A 3P+N	5TL1691-0	PTO	1	3	0.440
	125			5TL1 125A 3P+N	5TL1692-0	PTO	1	3	0.440
	4P, 400V AC								
	32	4	35	5TL1 32A 4P	5TL1432-0	PTO	1	3	0.400
	40			5TL1 40A 4P	5TL1440-0	PTO	1	3	0.400
	63	50	50	5TL1 63A 4P	5TL1463-0	PTO	1	3	0.400
	80			5TL1 80A 4P	5TL1480-0	PTO	1	3	0.400
	100			5TL1 100A 4P	5TL1491-0	PTO	1	3	0.440
	125			5TL1 125A 4P	5TL1492-0	PTO	1	3	0.440