

## Dokumentasjon for FDV

Lastbryter 5TL...



### Forvaltning

ON/OFF switches (32 A to 125 A) can be used as switch disconnectors according to EN 60947-1/IEC/EN 60947-3

Oppfyller kravene i RoHs direktivet

### Drift

Renhold	Ingen krav til periodisk renhold
Energiforbruk	
Henvisninger	Øvrige tekniske data finnes i våre kataloger og på <a href="http://www.siemens.no/ad">www.siemens.no/ad</a>

### Vedlikehold

Rutiner	Ingen spesielle-se tabell
Levetid	Setabell
Annet	

### Generelt

Ved montering av automatsikringen og hjelpeutstyret til denne, er det viktig å følge veiledningen som medfølger.  
**Følg alltid angitte tiltrekningsmomenter.**

### Målskisse

5TL1 ON/OFF switches, 32 A to 125 A



5TL1163-1	5TL1263-1	5TL1363-1	5TL1663-1	5TL1432-0
5TL1191-1	5TL1291-1	5TL1391-1	5TL1691-1	5TL1440-0
5TL1132-0	5TL1232-0	5TL1332-0	5TL1632-0	5TL1463-0
5TL1140-0	5TL1240-0	5TL1340-0	5TL1640-0	5TL1480-0
5TL1163-0	5TL1263-0	5TL1363-0	5TL1663-0	5TL1491-0
5TL1180-0	5TL1280-0	5TL1380-0	5TL1680-0	5TL1492-0
5TL1191-0	5TL1291-0	5TL1391-0	5TL1691-0	
5TL1192-0	5TL1292-0	5TL1392-0	5TL1692-0	

### Tekniste data - 5TL

Technical specifications		5TL1192	5TL1140	5TL1163	5TL1180	5TL1191	5TL1192	
		5TL1232	5TL1240	5TL1263	5TL1280	5TL1291	5TL1292	
		5TL1332	5TL1340	5TL1363	5TL1380	5TL1391	5TL1392	
		5TL1432	5TL1440	5TL1463	5TL1480	5TL1491	5TL1492	
		5TL1632	5TL1640	5TL1663	5TL1680	5TL1691	5TL1692	
Standards		IEC/EN 60947-3 (VDE 0660-107)					-	
Approvals		EN 60669-1					-	
Rated operational current $I_n$	Per conduct. path	A	32	40	63	80	100	125
Rated operational voltage $U_n$	1-pole	V AC	250					
	Multi-pole	V AC	440					
Rated power dissipation $P_n$	Per pole, max.	VA	0.7	0.9	2.2	3.5	5.5	8.6
Rated thermal current $I_{th}$		A	32	40	63	80	100	125
Rated breaking capacity AC-22A	At p.f. = 0.65	A	96	120	196	240	300	375
Rated making capacity AC-22A	At p.f. = 0.65	A	96	120	196	240	300	375
Rated short-circuit making capacity $I_{cm}$	In conjunction with fuse of the same rated operational current	kA	10					
Rated impulse withstand voltage $U_{imp}$		kV	>5					
Clearances	Open contacts	mm	>7					
	Between the poles	mm	>7					
Creepage distances		mm	>7					
Mechanical service life		Switching cycles	20000					
Electrical service life		Switching cycles	10000	5000	1000			
Minimum contact load		V, mA	24; 300					
Rated power	Switching of resistive loads	kW	5	6.5	10	13	16	16
	including moderate overload AC-21	kW	9	11	18	22	28	28
		kW	15	15	30	39	48	48
Rated short-time withstand current $I_{sw}$	Per conducting path at p.f. = 0.7	A	75	950	1500	2700	3400	3400
	up to 0.2 s	A	500	630	1000	1650	2100	2100
	up to 1 s	A	400	500	800	1350	1700	1700
	up to 3 s	A	280	350	560	800	1000	1000
Terminals			2					
	Max. tightening torque	Nm	3.5					
Conductor cross-sections	Rigid	mm <sup>2</sup>	1 ... 35			2.5 ... 50		
	Flexible, with end sleeve	mm <sup>2</sup>	1 ... 35			2.5 ... 50		
Permissible ambient temperature		°C	-5 ... +40					
Resistance to climate	At 95 % relative humidity	°C	45					

Produsent	Navn	Adresse	Telf	Fax	Web
SIEMENS	Siemens AS	Østre Aker vei 88, 0613 Oslo	22 63 30 00	22 63 310 05	<a href="http://www.siemens.no/ad">www.siemens.no/ad</a>