

Category Level 1: Electrical Systems and Lighting and Components and Accessories and Supplies - UNSPSC Code: 39

Category Level 2 : Electrical equipment and components and supplies - UNSPSC Code: 3912

Category Level 3 : Electrical switches and accessories - UNSPSC Code: 391222

Category Level 4: Disconnectors and Earthing Switches for Voltages above 72.5 KV - UNSPSC Code: 39122233

S.No.	Parameters	Field type	Field Category	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8	Value 9	Value 10	Value 11	Value 12	Value 13	Value 14
1	<b>GROUP: GENERIC</b>																
2	Alternating Current Disconnectors (Isolators) and Earthing Switches for Voltages Above 1 000 V generally conforming to IS:9921 (Part 1):1981, (Part 2):1982, (Part 3): 1982, (Part 4): 1985 and (Part 5):1985	Enumerable	Mandatory	Yes													
3	Disconnectors and earthing switches designed for	Enumerable	Golden, Filter, Mandatory	Outdoor	Indoor												
4	Product	Enumerable	Golden, Filter, Mandatory	Disconnectors and earthing switches													
5	No. of pole	Enumerable	Golden, Filter, Mandatory	3													
6	Type of operating system	Enumerable	Golden, Filter, Mandatory	Manual	Power												
7	Service frequency	Enumerable	Mandatory	50 Hz													
8	Rated voltages above 72.5 kV (in kV)	Enumerable	Golden, Filter, Mandatory	123	145	245	420										
9	Isolators and earthing switches shall supply with necessary accessories for Manual operating system as well as power operating system	Enumerable	Golden, Filter, Mandatory	Yes													
10	<b>GROUP: INSULATION LEVEL</b>																
11	Rated lightning impulse withstand voltage to earth and between poles (in KV Peak)	Enumerable	Golden, Filter, Mandatory	450	550	650	850	950	1050	NA for 420 KV							
12	Rated lightning impulse withstand voltage across the isolating distance (in KV Peak)	Enumerable	Golden, Filter, Mandatory	520	630	750	950	1050	1200	NA for 420 KV							

13	Rated one minute power frequency withstand voltage - To earth and between poles (in KV rms)	Enumerable	Golden, Filter, Mandatory	185	230	275	360	395	460	NA for 420 KV									
14	Rated one minute power frequency withstand voltage - Across the isolating distance (in KV rms)	Enumerable	Golden, Filter, Mandatory	210	265	315	415	460	530	NA for 420 KV									
15	Insulation Level for Rated Voltages for equal to 420 KV - Rated lightning impulse withstdnd voltage to earth (in KV Peak)	Enumerable	Golden, Filter, Mandatory	1300	1425	NA for below 420 KV													
16	Insulation Level for Rated Voltages for equal to 420 KV -Rated lightning impulse withstdnd voltage across the isolating distance (in KV Peak)	Enumerable	Golden, Filter, Mandatory	1300 (+205)	1425 (+205)	NA for below 420 KV													
17	Insulation Level for Rated Voltages for equal to 420 KV -Rated switching impulse withstdnd voltage to earth (in KV Peak)	Enumerable	Golden, Filter, Mandatory	950	1050	NA for below 420 KV													
18	Insulation Level for Rated Voltages for equal to 420 KV -Rated switching impulse withstdnd voltage across the isolating distance (in KV Peak)	Enumerable	Golden, Filter, Mandatory	1050 (Class A)	900 (+345) Class B	NA for below 420 KV													
19	<b>GROUP: RATING</b>																		
20	Rated normal current (in A) for disconnectors	Enumerable	Golden, Filter, Mandatory	200	400	630	800	1250	1600	2000	2500	4000	5000	6300	NA				
21	Rated short time withstand current (in kA)	Enumerable	Golden, Filter, Mandatory	8	10	12.5	16	20	25	31.5	40	50	63	80	100				
22	Rated duration in short circuit (in seconds)	Enumerable	Golden, Filter, Mandatory	1	3														
23	Rated peak withstand current (in kA)	Enumerable	Golden, Filter, Mandatory	2.5 times the rated. short-time withstand current.															
24	Rated contact zone	Enumerable	Mandatory	as per Cl.3.10 of IS : 9921( Part II ) - 1982 latest															
25	Rated short-circuit making current ( for earthing switches only ) as per Cl. 3.8 of IS:9921 (Part 2):1982 latest	Enumerable	Mandatory	Yes	NA														
26	Rated pressure of compressed gas supply for operation pneumatic operating device (KPa)	Enumerable	Golden, Filter, Mandatory	500	1000	1600	2000	3000	NA										
27	<b>Group: SERVICE CONDITION</b>																		
28	Maximum ambient air temperature	Enumerable	Mandatory	<45 deg. C															

