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 Swtiches 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 9	Value 10	Value 11	Value 12	Value 13	Valu e 14
1	GROUP: GENERIC															
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		Golden, Filter, Mandatory	Outdoor	Indoor											
4	Product		Golden, Filter, Mandatory	Disconnec tors and earthing switches												
5	No. of pole		Golden, Filter, Mandatory	3												
6	Type of operating system		Golden, Filter, Mandatory	Manual	Power											
7	Service frequency	Enumerable	Mandatory	50 Hz												
8	Rated voltages above 72.5 kV (in kV)		Golden, Filter, Mandatory	123	145	245	420									
9	Isolators and earthing switches shall supply with necessary accesoories for Manual operating system as well as power operting system		Golden, Filter, Mandatory	Yes												
10	GROUP: INSULATION LEVEL															
11	Rated lightining impulse withstnd voltage to earth and between poles (in KV Peak)		Golden, Filter, Mandatory	450	550	650	850	950	1050	NA for 420 KV						
12	Rated lightining impulse withstnd voltage across the isolating distance (in KV Peak)		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 lightining impulse withstnd 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 lightining impulse withstnd 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 withstnd 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 withstnd 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	GROUP: RATING															
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-ti	ne withstar	nd current.	I			I	I				
24	Rated contact zone	Enumerable	Mandatory	as per Cl.3.10	of IS: 9921	Part II) - 1	1982 latest									
25	Rated short-circuit making eurrent (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	Group: SERVICE CONDITION															
28	Maximum ambient air temperature	Enumerable	Mandatory	<45 deg. C												

, ,	Enumerable Enumerable	Mandatory Mandatory	<35 deg. C													
	Enumerable	Mandatory														
Minimum ambient air temperature		, , ,	<30 deg. C													
	Enumerable	Golden, Filter, Mandatory	-5 deg.C													
The altitude	Enumerable	Mandatory	<1000 m													
The ambient air is not materially polluted by dust, smoke, corrosive and/or flammable gases, vapours or salt.	Enumerable	Mandatory	Yes													
Four outdoor disconnetcors and earthing switches the ice coating	Enumerable	Mandatory	<1 mm													
Four outdoor disconnetcors and earthing switches, the wind pressure	Enumerable	Mandatory	< 700 N/m2													
Relative Humidity	Enumerable	Mandatory	<95%													
GROUP: WARRANTY																
On site Warranty for complete equipments	Enumerable	Golden, Filter, Mandatory	1 Year	2 Years	3 Years											
nstallation and commissioning	Enumerable	Golden, Filter, Mandatory	Yes	No												
GROUP: CERTIFICATION																
Availability of type test report for the complete equipments rom Central Govt., lab/NABL/ILAC accrediated lab to conformity of the speficiation		Mandatory	Yes													
Availability of type test report on special request of the user for Operation under ice condiction report	Enumerable	Golden, Filter, Mandatory	Yes	No												
Availability of type test report on special request of the user for Min. And Max. Ambient air temp. Test report	Enumerable	Golden, Filter, Mandatory	Yes	No												
Availability of type test report on special request of the user for Radio interference level test report	Enumerable	Golden, Filter, Mandatory	Yes	No												
All the test type reports, routine test reports etc., and certificates shall be furnish to the buyer on demand	Enumerable	Mandatory	Yes													
THE REPORT OF THE ACT AND AREA	corrosive and/or flammable gases, vapours or salt. cour outdoor disconnetcors and earthing switches the ice coating cour outdoor disconnetcors and earthing switches, the wind ressure elative Humidity GROUP: WARRANTY In site Warranty for complete equipments estallation and commissioning GROUP: CERTIFICATION vailability of type test report for the complete equipments om Central Govt., lab/NABL/ILAC accrediated lab to conformity if the speficiation vailability of type test report on special request of the user for iperation under ice condiction report vailability of type test report on special request of the user for including the special request of the user for adio interference level test report Il the test type reports, routine test reports etc., and	corrosive and/or flammable gases, vapours or salt. cour outdoor disconnetcors and earthing switches the ice coating cour outdoor disconnetcors and earthing switches, the wind ressure elative Humidity Enumerable GROUP: WARRANTY In site Warranty for complete equipments Enumerable BROUP: CERTIFICATION Stallation and commissioning Enumerable Complete equipments Enumerable Enumerable Enumerable Complete equipments Enumerable Complete equipments Complete	corrosive and/or flammable gases, vapours or salt. Our outdoor disconnetcors and earthing switches the ice parting Our outdoor disconnetcors and earthing switches, the wind ressure Enumerable Mandatory Mandatory	corrosive and/or flammable gases, vapours or salt. Our outdoor disconnetcors and earthing switches the ice pating our outdoor disconnetcors and earthing switches, the wind ressure elative Humidity Enumerable Mandatory 4700 N/m2 ### Forestard ### Colden, Filter, Mandatory ###	corrosive and/or flammable gases, vapours or salt. our outdoor disconnetcors and earthing switches the ice pating our outdoor disconnetcors and earthing switches, the wind ressure elative Humidity Enumerable Mandatory Andatory Andatory Fundation Financial Bolden, Filter, Mandatory Mandatory Mandatory Mandatory Fundation Funda	corrosive and/or flammable gases, vapours or salt. our outdoor disconnetcors and earthing switches the ice pating our outdoor disconnetcors and earthing switches, the wind ressure elative Humidity Enumerable Mandatory Finance of the service of the service of the user for fundation of the user for fundation of the service of the user for fundation of the user for fundation of the user for fundation of the service of the user for fundation of the user fundation of the user for fundation of the user fundation of the	corrosive and/or flammable gases, vapours or salt. our outdoor disconnetcors and earthing switches the ice beting our outdoor disconnetcors and earthing switches, the wind cressure elative Humidity Enumerable Mandatory 4700 N/m2 Enumerable Mandatory 4700 N/m2 Enumerable Mandatory 4700 N/m2 Enumerable Mandatory 4700 N/m2 Enumerable Golden, Filter, Mandatory Mandatory Mandatory Fession Golden, Filter, Mandatory Mandatory Fession Golden, Filter, Mandatory Fession Fenumerable Golden, Filter, Mandatory Fession No Central Govt, Jab/NABL/ILAC accrediated lab to conformity Fession Fenumerable Golden, Filter, Mandatory Fession No Central Govt, Jab/NABL/ILAC accrediated ference of the user for fenumerable Golden, Filter, Mandatory Fession No Central Govt, Jab/NABL/ILAC accrediated ference of fenumerable Golden, Filter, Mandatory Fession No Central Govt, Jab/NABL/ILAC accrediated ference of fenumerable Golden, Filter, Mandatory Fession No Central Govt, Jab/NABL/ILAC accrediated ference of fenumerable Golden, Filter, Mandatory Fession No Central Govt, Jab/NABL/ILAC accrediated ference of fenumerable Golden, Filter, Mandatory Fession No Central Govt, Jab/NABL/ILAC accrediated ference of fenumerable Golden, Filter, Mandatory Fession No Mandatory Fession No	prosive and/or flammable gases, vapours or salt. Our outdoor disconnetcors and earthing switches the ice batting our outdoor disconnetcors and earthing switches, the wind essure Enumerable Mandatory <700 N/m2 Enumerable Mandatory <95% GROUP: WARRANTY In site Warranty for complete equipments Enumerable Golden, Filter, Mandatory SROUP: CERTIFICATION Vallability of type test report for the complete equipments Enumerable Mandatory Enumerable Golden, Filter, Mandatory Golden, Filter, Mandatory Fine Mandatory Yes October Golden, Filter, Mandatory Fine Special frequest of the user for peration under ice condiction report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. And Max. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. Ambient air temp. Test report Vallability of type test report on special request of the user for lin. Ambient ai	our outdoor disconnetcors and earthing switches the ice batting our outdoor disconnetcors and earthing switches, the wind batting our outdoor disconnetcors and earthing switches, the wind because the wind becau	pur outdoor disconnetcors and earthing switches the ice pating shitches the ice pating shitches the ice pating shitches the ice pating shitches and earthing switches, the wind ressure shitches and earthing switches, the wind and earthing switches and earthing switches, the wind and earthing switches and earthing switches, the wind and earthing switches, the wind and earthing switches shift and earthing switches and earthing switches and earthing switches and earthing switches, the wind and earthing switches and earthing	our outdoor disconnetcors and earthing switches the ice abiling Our outdoor disconnetcors and earthing switches, the wind essure Enumerable Mandatory Andatory An	our outdoor disconnetcors and earthing switches the ice alting our outdoor disconnetcors and earthing switches, the wind easting our outdoor disconnetcors and earthing switches, the wind essure elative Humidity Enumerable Mandatory 4700 N/m2 4700	our outdoor disconnetcors and earthing switches the ice alting Switches, the wind earthing switches, the wind elative Humidity Enumerable Mandatory <700 N/m²	our outdoor disconnetcors and earthing switches the ice airling out outdoor disconnetcors and earthing switches, the wind cut outdoor disconnetcors and earthing switches and	our outdoor disconnetcors and earthing switches the ice acting out outdoor disconnetcors and earthing switches, the wind cur outdoor disconnetcors and earthing switches, the wind curvessure Mandatory <700 N/m2 Enumerable Mandatory <95% GROUP: WARRANTY In site Warranty for complete equipments Enumerable Golden, Filter, Mandatory STROUP: CERTIFICATION Valiability of type test report for the complete equipments on Central Govit, JabhAsBL/ILAC accrediated lab to conformity the speficiation Valiability of type test report on special request of the user for Enumerable Golden, Filter, Mandatory Valiability of type test report on special request of the user for Enumerable Golden, Filter, Mandatory Valiability of type test report on special request of the user for Enumerable Golden, Filter, Mandatory Valiability of type test report on special request of the user for Enumerable Golden, Filter, Mandatory Valiability of type test report on special request of the user for Enumerable Golden, Filter, Mandatory Ves No Mandatory Ve	Dur outdoor disconnetcors and earthing switches the ice aining Mandatory