

Product data sheet



Specifications



DC Switch disconnecting, HFUW3DG-2500XU

Main

Range	HFUW3DG
Product Name	DC Switch disconnecting
Device Short Name	HFUW3DG-2500XU
Product or Component Type	Switch disconnecting
Device Application	Power distribution protection
Poles Description	2
Line Rated Current	800A, 1000A, 1250A, 1600A, 2000A, 2500A
Rated Operational Voltage[Ue]	DC1500V
Selectivity Category	DC-PV2
Mounting Mode	Fixed

Complementary

Rated Short-Time Withstand Current [Icw]	DC1500V	50 kA/1s
Rated Short-Circuit Making Capacity[Icm]	DC1500V	50 kA/1s
Rated Insulation Voltage [Ui]	DC1600V	
Rated Impulse Withstand Voltage [Uimp]	12 kV	
Power Dissipation in W	Rated current	Power dissipation
	800A	22W
	1000A	34W
	1250A	53W
	1600A	77W
	2000A	120W
	2500A	178W
Breaking Time ¹	≤50 ms	
Closing Time ²	≤70 ms	
Mounting Support	Rails Base plate	
Connection Pitch	135mm	
Mechanical Durability	10000 Without maintenance	

Electrical endurance	DC1500V 500 times
Height	389mm
Width	346mm
Depth	343mm
Net Weight (Max)	44.5kg
Standards	GB/T 14048.1,GB/T 14048.3
	IEC 60947-3
	EN60947-3
	CCC
Product Certifications	CB
	TUV
	CE

Environment

IP degree of Protection	IP40 (The switch is installed in the switchgear and equipped with a door frame)
Pollution Degree	III (3)
Ambient Air Temperature for Operation	-40...+70 °C
Ambient Air Temperature for Storage	-40...+85 °C
	0...4000 m without derating
Operating Altitude	> 4000 m with derating

Packing Units

Unit Type of Package	PCE
Quantity in One Package	1
Package Height	59.4 cm
Package Width	49.5 cm
Package Length	43.1 cm
Package Weight (Max)	54 kg

1 Breaking time: The time interval between the switch dis-connector being powered from the shunt coil to the main circuit being disconnected at room temperature

2 Closing time: The time interval from the moment the switch dis-conenctor is closed to the moment when all contacts of the poles are in contact at room temperature. It is recommended to start measuring after the system stabilizes (200ms)