

Product data sheet



Specifications



DC Switch disconnecting, HFUW3DG-1600XU

Main

Range	HFUW3DG
Product Name	DC Switch disconnecting
Device Short Name	HFUW3DG-1600XU
Product or Component Type	Switch disconnecting
Device Application	Power distribution protection
Poles Description	2
Line Rated Current	800A、1000A、1250A、1600A
Rated Operational Voltage[Ue]	DC1500V
Selectivity Category	DC22-A 、DC-PV2
Mounting Mode	Fixed

Complementary

Rated Short-Time Withstand Current [Icw]	DC1500V 25 kA/1s
Rated Short-Circuit Making Capacity[Icm]	DC1500V 25 kA
Rated Insulation Voltage [Ui]	DC1600V
Rated Impulse Withstand Voltage [Uimp]	12 kV
Breaking Time ¹	≤50 ms
Closing Time ²	≤70 ms
Mounting Support	Front
Connection Pitch	110mm
Mechanical Durability	10000 Without maintenance
Electrical endurance	DC1500V 500 times
Height	294mm、358mm (long busbar)
Width	266mm
Depth	256mm
Net Weight (Max)	16.8kg
Standards	GB/T 14048.1,GB/T 14048.3 IEC 60947-3

EN60947-3

Product Certifications	CCC
	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...+70 °C
	0...2000 m without derating
Operating Altitude	> 2000 m with derating

Packing Units

Unit Type of Package	PCE
Quantity in One Package	1
Package Height	50 cm
Package Width	32.5 cm
Package Length	40.5 cm
Package Weight (Max)	23.9 kg

Note: 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-connector 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)