

Product data sheet



Specifications



DC Switch disconnecting, HFUW3DG-2500XUA

Main

Range	HFUW3DG
Product Name	DC Switch disconnecting
Device Short Name	HFUW3DG-2500XUA
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
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]	DC1500V
Rated Impulse Withstand Voltage [Uimp]	12 kV
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 400 times
Height	389mm
Width	346mm
Depth	343mm
Net Weight (Max)	46.5kg
Standards	UL 489B
Product Certifications	UL 489B

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)	55 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-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)