

Product data sheet



Specifications



Circuit Breaker Frame, UEW6-4000(ACB)

Main

Range	UEW6
Product Name	Circuit breaker frame
Device Short Name	UEW6-4000
Product or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	3P、4P
Control Unit	2M、2H、3M、3H
Line Rated Current	1000A、1250A、1600A、2000A、2500A、3200A、4000A
Performance Type	M 、 H
Rated Operational Voltage[Ue]	400V、690V、800V AC 50/60 Hz
Selectivity Category	Category B
Mounting Mode	Fixed Drawout

Complementary

Rated Ultimate Short-Circuit Breaking Capacity [Icu]	AC400V	M:100kA	H:100 kA
	AC690V	M:75kA	H:85kA
	AC800V	M:50kA	H:50 kA
Rated Service Breaking Capacity[Ics]	AC400V	M:100kA	H:100 kA
	AC690V	M:75kA	H:85kA
	AC800V	M:50kA	H:50 kA
Rated Short-Time Withstand Current [Icw]	AC400V	M:85kA/1s	H:100 kA/1s
	AC690V	M:75kA/1s	H:85kA/1s
	AC800V	M:50kA/1s	H:50 kA/1s
Rated Short-Circuit Making	AC400V	M:220kA	H:220 kA

Capacity[Icm]	AC690V M:165kA H:187kA AC800V M:110kA H:110kA			
Rated Insulation Voltage [Ui]	1250 V AC 50/60 Hz			
Rated Impulse Withstand Voltage [Uimp]	12 kV			
Power Dissipation in W	Installation type Rated current	3P Fixed	4P Fixed	3P Draw out
		4P Draw out		
	1000A	42W	55W	72W
	1250A	65W	87W	113W
	1600A	107W	143W	184W
	2000A	168W	224W	288W
	2500A	263W	350W	337W
	3200A	458W	604W	552W
	4000A	646W	875W	856W
Maximum Breaking Time	<30 ms			
Maximum Closing Response Time	70 ms			
Mounting Support	Rails Base plate			
Connection Pitch	Drawout Horizontal busbar (3600A~4000A) 140 mm			
	Drawout Horizontal busbar (2500A~3200A) 140 mm			
	Drawout Horizontal busbar (1000A~2000A) 115 mm			
	Drawout Vertical busbar (3600A~4000A) 115mm			
	Fixed Horizontal busbar (2900A~4000A) 150 mm			
	Fixed Horizontal busbar (1000A~2500A) 115mm			
	Fixed Vertical busbar (2900A~4000A) 115 mm			
Mechanical Durability	10000 Without maintenance			
	20000 With maintenance			
Electrical Durability	AC400V 4000			
	AC690V 2000			
	AC800V 1000			
Height	Fixed 3P 401mm		Fixed 4P 401mm	
	Drawout 3P 446mm		Drawout 4P 446mm	
Width	Fixed 3P 426mm		Fixed 4P 541mm	
	Drawout 3P 474mm		Drawout 4P 589mm	

Depth	Fixed 3P 296.5mm	Fixed 4P 296.5mm
	Drawout 3P 405mm	Drawout 4P 405mm
Net Weight (Max)	Fixed 3P 68kg	Fixed 4P 88kg
	Drawout 3P 129.8kg	Drawout 4P 166.2kg
Standards	GB/T 14048.1, GB/T 14048.2 EN/IEC 60947-2 BSEN60947-2	
Product Certifications	CCC CB TUV CE UKCA	

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	-5...+70 °C
Ambient Air Temperature for Storage	-40...75 °C
Operating Altitude	0...2500 m without derating > 2500 m with derating

Packing Units

Unit Type of Package	PCE			
Quantity in One Package	1			
Package	3PG	4PG	3PC	4PC
Package Height	60 cm	65cm	63 cm	65 cm
Package Width	46.5 cm	61.5 cm	56 cm	61.5 cm
Package Length	64.5 cm	106.5cm	65.5 cm	106.5 cm
Package Weight (Max)	78kg	98kg	142kg	178kg