

Complete Set Company - Power Control System



JM4 High Protection Power Distribution Cabinet

About the Product:

JM4-1(CI) Insulated Power Distribution Cabinet adopts full-insulated modules and closed distribution system which can be applied to various power supply needs, especially in the harsh environment. E.g.: the chemical plants, packaging workshops, flour mills, cement plants as well as nuclear power stations and the subway tunnel.

CI Insulated Power Distribution Cabinet is a protection rank IP65. Its shell is made of high- quality polycarbonate engineering plastic. This material is fully-insulated and corrosion-resistant as well. It also has high mechanical impact strength and will not aging. Its shell is transparent so it could inform the operator of the distribution state before break down or power failure.

JM4-1(CI) Insulated Power Distribution Cabinet of our company has been approved by the National Compulsory Product Authentication.

Structure Features:

Full-insulated

Full-insulated shell is one of the top security ranks and does not change with the time. Thus, it does not need maintenance. Besides, full-insulated is much safer than grounding

closed bolt with a lid

Technical Data:

Standards		
Tested Distributor and Control System		IEC 439 - 1 , EN 60 439 - 1
Test of Distributor Parts		IEC 439 - 1
Air gap and Electrical creep distance		DIN VDE 0110 III/3
Flammability Characteristic-blazing stick experiment		DIN VDE 6304 - 3 - IIb
Electric Products (modules		DIN VDE 0471 - 2

and parts) Standard of Fireproof Experiment (blazing thread)		
Rank of quake-resistance and adjustment experiment	RK	1.0/10
Electric Parameters		
Generatrix System		
Ue Rated work piece voltage	VAC	690
Ui Rated insulation voltage	VAC	690
	VDC	800
Rated Current(generatrix system)	A	160 250 400 630 1000 1600
Rated current tolerance of short circuit	kA(rms)	20 25 35 40 80 80
$\cos\psi\geq 0.2$; t = 0.1s		
Generatrix strut space	mm	≤ 375
Icw Rated current tolerance of short circuit	kA(rms)	4 7 14 28 50 56
Rated current tolerance of peak value	kA	40 52.5 73.5 84 176 176
Protection Survey		Standard of insulation protection DIN VDE 0110(full-insulated)
Structure Parameters		
Protection Rank		DIN 40 050 , IEC 529
CI Shell		IP 65
KST Cable underneath-installed		IP 65
KST Cable above-installed		IP 64
KST Cable entrance-opened		IP 00
size		25mm(DIN 43 660) Modulus of single-valued 25mm(DIN 43 660)
color	Base Box	RAL 7032 gravel lime (DIN 43 856)
	Lid	Transparent

Metal surface protection		Electroplate , chrome plating
Work and environment condition		
According to DIN VDE 0660 - 500		
Environment Condition		
24-hour average value		+35
Limits	Highest /lowest	+40/-5
Indoor Installation		
Relative Temperature	%(40)	50
Altitude	m	2000

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