

# MODULAR DISTRIBUTION BLOCK

## JX2 Data Sheet V1.0



GACIA distribution blocks are specially designed to easily create a distribution, the width of 1 module per pole makes them easy to combine with other modular components. The main connection can easily be realized using a distribution connection rail, or true (main) wiring. The blocks can be interconnected. In addition, the wide connection range per pole with 1x 1.5-35mm<sup>2</sup> (50mm<sup>2</sup>) and 8x 1.5-6mm<sup>2</sup> (10mm<sup>2</sup>) for mounting cable (solid) is unique in this design. The connections can be easily checked and/or serviced because the transparent cover can be removed for each pole separately.

JX2 distribution block

CE

RoHS

JX2 distribution block is compliant to product standard IEC/EN 60947-7-1 and IEC/EN 61439-1 and with the following main technical features

- 1, 2, 3 and 4 pole
- Modular design
- Transparent cover
- Full wire guidance till connection screw

### Application benefits

- Supply possible from top and bottom
- Fork type busbar connection (above and below) up to 30mm<sup>2</sup> and cable connection up to 50mm<sup>2</sup> cables.
- Service possible for each pole separately
- Combination possible with GACIA DH type isolator switches.
- Family feeling in the GACIA range modular components

# Modular distribution block JX2

## Technical Data



	Type			JX2				
	Standards			EN/IEC 61439-1   EN/IEC 60947-7-1 EN/IEC 61003-3-2   EN/IEC 61003-3-3				
	Certification			CE, UKCA				
	Country of origin			CN				
	RoHS Compliance Status			Compliant, No Exemption				
Electrical features	Number of poles			1, 2, 3 ,4				
	Rated operational current		Ie	A	125 at 40 °C			
	Rated operational voltage		Unom	V AC	440			
	Rated frequency			Hz	50 - 60			
	Insulation voltage		Ui	V	500			
	Rated short-circuit withstand (1 sec)		Icw	kA	6			
	Nominal peak current		Ipk	kA	20			
	Overvoltage category					III		
Pollution degree			3					
Mechanical features	Housing			Insulation group I - II, RAL 7035				
	Transparent cover			Insulation group II, RAL 3001				
	Protection degree acc. to EN 60529		housing	IP4X				
			terminals	IP2X				
	Ambient temperature (with daily average ≤ +35 °C)			°C	-25... +55			
	Storage temperature			°C	-40... +70			
Installation	In-coming terminal	Type		Twin-purpose terminal (lift / open-mouthed)				
		Number of connections		1				
		Solid /stranded wiring		mm²	1x1,5mm²-50mm²			
		Flexible wires with or without ferrules		mm²	1x1,5mm²-35mm²			
		Stripping length		mm	12mm			
		Torque		Nm	3.5Nm			
		Busbar PIN/ FORK		mm²	10/16 (M6)			
	Outgoing terminals	Type		Screw (PZ2)				
		Number of connections		8				
		Solid /stranded wiring		mm²	1x1,5mm²-10mm²			
		Flexible wires with or without ferrules		mm²	1x1,5mm²-6mm²			
		Stripping length		mm	9mm			
		Torque		Nm	1.2Nm			
	Mounting			on DIN rail EN 60715 (35mm) by means of mounting clip				
	Mounting position			Any				
	Supply from			Top /Bottom				
				1p	2p	3p	4p	
	Dimensions (H x W x D)		Height	mm	80			
			Width	mm	17,5	35	52,5	70
			Depth	mm	50			
	Weight		kg	0.085	0.169	0.253	0.337	
Packing	Packing A	QTY		12	6	4	3	
		Dimensions (H x W x D)	mm	220 x 88 x 82				
		Weight	kg	1.08				
	Packing B (x A)	QTY		120	60	40	30	
		Dimensions (H x W x D)	mm	425 x 234 x 190				
		Weight	kg	11				
	CN-code			85362010				

## Modular distribution block JX2

### Technical Data

#### Performance in altitude\*

Elevation [m]	2000	3000	4000	5000	6000
Rated current [A]	1 x In	0,95 x In	0,92 x In	0,90 x In	0,88 x In
Rated voltage [V]	1 x Un	0,85 x Un	0,75 x Un	0,65 x Un	0,55 x Un

\* the modular distribution block is designed for standard level operations, performance information on higher altitude is not available

#### Derating in temperature

Max operating current depending on the ambient temperature (daily average  $\leq +35$  °C)

Ambient temperature [°C]	In [A]
-25	145.00
-15	142.50
-5	138.75
10	135.00
30	125.00
40	120.00
45	118.75
55	116.25
60	115.00
65	110.40
70	105.98

#### Influence of adjacent devices

Number of devices	Correction factor
1	1
2-3	0,9
4-5	0,8
6-9	0,7
$\geq 10$	0,6

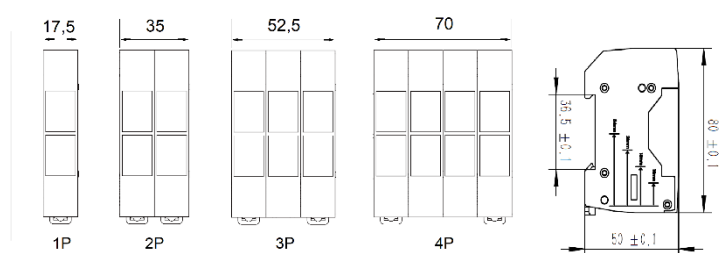
These values are provided by recommendation IEC 61439-1 and standards EN 61439-1. In order to avoid having to use these coefficients there must be good ventilation and the devices must be kept apart using the spacing element article number 2119000010 (0.5 module).

#### Power loss

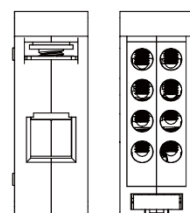
Number of poles	Power loss [W]
1P	3,75
2P	7,50
3P	11,25
4P	15,00

#### Overall dimensions

All measurements in mm



#### Connection overview



## Modular distribution block JX2

Order codes



1 pole

5108000910



2 pole

5108000920



3 pole

5108000930



4 pole

5108000940

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