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Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://abbdrives.nt-rt.ru/> || aei@nt-rt.ru

ПРОГРАММИРУЕМЫЕ ЛОГИЧЕСКИЕ КОНТРОЛЛЕРЫ техническое описание на сетевые модули ICMK, ICSA, ICSE, ICSI, ICSSO



ICMK14F1-M and ICMK14N1-M

This chapter wants to describe the general characteristics and operating conditions of ICMK14F1-M and ICMK14N1-M remote inputs and outputs on MODBUS® system bus.

1.1 Presentation

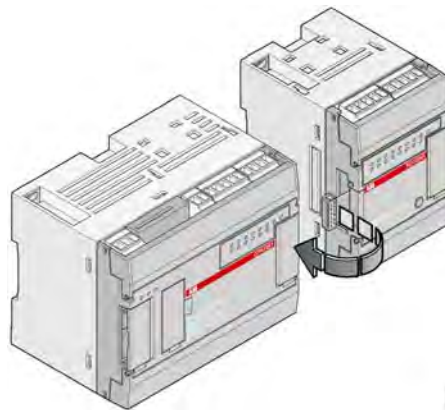
The ICMK14F1-M and ICMK14N1-M are used as a decentralised inputs and outputs on the MODBUS® system bus. It brings accessibility to beginners and experienced automation users alike, for any application with 14 to 200 inputs / outputs, using the same set of basic components.

The ICMK14F1-M and ICMK14N1-M modules allow a distributed I/O architecture on MODBUS® system bus that provide cost effective and flexible solutions for controlling and monitoring I/O signals over a wide area.

1.1.1 General set-up rules

Each ICMK14F1-M and ICMK14N1-M remote units incorporate a specific number of binary inputs / outputs. And it is possible, to increase this number of binary or analog inputs / outputs, by addition of different extensions directly connect to the ICMK14F1-M and ICMK14N1-M remote modules.

These extensions are the same that used with Central units 40 and 50 series.



ICMK14F1-M and ICMK14N1-M

1.3 Technical specifications

Products	Description	References
ICMK 14 F1 -M 24VDC	With 8 isolated inputs 24 V d.c and 6 relay outputs 250 V a.c. / 2A 24 V d.c. power supply.	1SBP260053R1001
ICMK 14 F1 -M 120/230VAC	With 8 isolated inputs 24 V d.c and 6 relay outputs 250 V a.c. / 2A 120 / 230 V a.c. power supply.	1SBP260054R1001
ICMK 14 N1 -M 24VDC	With 8 isolated inputs 24 V d.c and 6 transistor outputs 24 V d.c / 0.5 A 24 V d.c. power supply.	1SBP260055R1001

	ICMK 14 F1-M 24 V d.c.	ICMK 14 F1-M 120 / 230 V a.c.	ICMK 14 N1-M 24 V d.c.
Width x Height x Depth (in mm)	120 x 93 x 84		
Weight	400 g	800 g	400 g
Power supply			
- M ins voltage:			
Nominal value	24 V d.c.	120 / 230 V a.c.	24 V d.c.
Admissible range	19.2 to 30 V	97.75 to 126.5 V 195.5 to 253 V	19.2 to 30 V
- Consumption:			
Unit alone (typical)	80 mA	30 mA	80 mA
Maximum configuration (typical)	400 mA	100 mA	400 mA
- Polarity reversal protection	yes	-	yes
- 24 V d.c. isolated power for inputs:	no	yes	no
Range of voltage value	-	19.2 to 30 V	-
Max. Output current	-	400 mA	-
Short circuit protection	-	yes	-
- Dissipation	5 W	10 W	6 W
Incorporated binary inputs			
- Number of inputs	8		
- Isolation of the inputs / electronic	1500 V a.c.	1500 V a.c.	1500 V a.c.
- Input types	PNP and NPN	PNP and NPN	PNP and NPN
- Input voltage:			
Nominal value	24 V d.c.	24 V d.c.	24 V d.c.
Signal at 0 (IEC 1131-2)	0 to + 5 V	0 to + 5 V	0 to + 5 V
Signal at 1 (IEC 1131-2)	+ 15 to + 30 V	+ 15 to + 30 V	+ 15 to + 30 V
- Input current at 24 V d.c.:			
Inputs Ixx.02 to Ixx.07	7 mA	7 mA	7 mA
Inputs Ixx.00 and Ixx.01	9 mA	9 mA	9 mA
- Minimum filtering time	5 ms	5 ms	5 ms
- Cable length:			
unshielded	300 m	300 m	300 m
shielded	500 m	500 m	500 m

ICMK14F1-M and ICMK14N1-M

	ICMK 14 F1 -M 24 V d.c.	ICMK 14 F1 -M 120 / 230 V a.c.	ICMK 14 N1 -M 24 V d.c.
Incorporated outputs			
- Number of outputs	6 relays	6 relays	6 transistors
- Isolation of the outputs / electronic	1500 Vrms 1 min	1500 Vrms 1 min	1500 V a.c.
- Total charging current, under voltage:	.	.	.
direct 24 V d.c.			
resistive load / inrush current	2 A / 5 A	2 A / 5 A	1 A for Oxx.00 and Oxx.01 and 0.5 A for other outputs
L / R = 20 ms	2 A	2 A	
L / R = 30 ms	1 A	1 A	
L / R = 40 ms	0.6 A	0.6 A	
L / R = 60 ms	0.35 A	0.35 A	
alternate 24 to 230 V a.c.	2 A AC-1 0.5 A AC-15	2 A AC-1 0.5 A AC-15	
- Total charging current	6 x 2 A	6 x 2 A	4 x 0.5 A + 2 1 A
- Output leakage current			< 200 µA
- Output waste voltage			0.2 V to 500 mA max.
- Minimum cut-off values	10 mA under 12 V d.c.	10 mA under 12 V d.c.	12 V
- Breaking power under 120 V a.c. (contact rating code B300) (UL)	2 A	2 A	
- Breaking power under 250 V a.c. (contact rating code B300) (UL)	2 A (1.5 A according to UL)	2 A (1.5 A according to UL)	
- Number of common	2 (2+4)	2 (2+4)	
- Commutating frequency :			
for resistive loads	< 1 Hz	< 1 Hz	< 5 kHz
for inductive loads	< 0.2 Hz	< 0.2 Hz	
for lamps	< 0.2 Hz	< 0.2 Hz	
- Number of switches:			
for AC-1	1 million	1 million	-
for AC-15	100 000	100 000	
- Short circuit and overload protection	envisage externally	envisage externally	yes: thermic
- Surge voltage protection	envisage externally	envisage externally	yes : by transient volt. suppressor
- Outputs diagnosis	-	-	overload and short circuit
- Cable length:			
unshielded	150 m	150 m	150 m
shielded	500 m	500 m	500 m

PRODUCT-DETAILS

ICSO08R1-230VAC

ICSO 08R1



General Information

Extended Product Type	ICSO08R1-230VAC
Product ID	FPR3312101R0026
ABB Type Designation	ICSO 08 R1 Binareingabe 230V
Catalog Description	ICSO 08R1
Long Description	ICSO 08R1

Additional Information

ABB Type Designation	ICSO 08 R1 Binareingabe 230V
CN8	85371091
Country of Origin	France (FR) Germany (DE)
Customs Tariff Number	85371091
eClass	27-24-22-04
Frame Size	Spare_Parts
Gross Weight	0.6 kg
Invoice Description	ICSO 08R1
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Product Main Type	ICSO08R1
Product Name	Spare Parts
Product Net Depth / Length	125 mm
Product Net Height	80 mm
Product Net Weight	0.47 kg
Product Net Width	104 mm
Product Type	982__SST-Produkte
Quote Only	No
Selling Unit of Measure	piece
Stocked At (Warehouses)	Menden, Germany
Temperature Class Default	--
Two Speed Motor	No
UNSPSC	32151705
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

PLC Automation → Legacy products → AC31 and previous series → AC31 I/Os and previous series



PRODUCT-DETAILS

ICSI08D1

ICSI08D1 I/O MODULE

General Information

Extended Product Type	ICSI08D1
Product ID	FPR3315101R1012
ABB Type Designation	ICSI 08 D1*24V
Catalog Description	ICSI08D1 I/O MODULE
Long Description	ICSI08D1 I/O MODULE

Additional Information

ABB Type Designation	ICSI 08 D1*24V
CN8	85371091
Country of Origin	Germany (DE)
Customs Tariff Number	85371091
Frame Size	Spare Parts
Gross Weight	0.2 kg
Invoice Description	ICSI08D1 I/O MODULE
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Package Level 1 Units	0 carton
Part Type	New
Product Main Type	ICSI08D1
Product Name	I/O MODULE
Product Net Depth / Length	125 mm
Product Net Height	80 mm
Product Net Weight	0.2 kg
Product Net Width	104 mm
Product Type	Spare Parts
Quote Only	No
Selling Unit of Measure	piece
UNSPSC	39120000
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

PRODUCT-DETAILS

ICSE08B5-2

ICSE08B5-2 I/O MODULE



General Information

Extended Product Type	ICSE08B5-2
Product ID	FPR3346501R1012
ABB Type Designation	ICSE 08 B5*24V
Catalog Description	ICSE08B5-2 I/O MODULE
Long Description	ICSE08B5-2 I/O MODULE

Additional Information

ABB Type Designation	ICSE 08 B5*24V
CN8	85371099
Core Credit	0.00
Country of Origin	Germany (DE)
Customs Tariff Number	85389091
Frame Size	Spare_Parts_Sc
Gross Weight	0.28 kg
Invoice Description	ICSE08B5-2 I/O MODULE
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Product Name	I/O MODULE
Product Net Depth / Length	125 mm
Product Net Height	80 mm
Product Net Weight	0.28 kg
Product Net Width	104 mm
Product Type	Spare_Parts
Quote Only	No
Selling Unit of Measure	piece
Stocked At (Warehouses)	Menden, Germany Logistic Center Sweden New Berlin, Wisconsin, United States
Two Speed Motor	No
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)



ICSE08B5

ANALOG INPUT MOD,TCAD 24V

General Information

Extended Product Type	ICSE08B5
Product ID	FPR3346501R0016
ABB Type Designation	ICSE08B5
Catalog Description	ANALOG INPUT MOD,TCAD 24V
Long Description	ANALOG INPUT MOD,TCAD 24V

Additional Information

ABB Type Designation	ICSE08B5
CN8	85389091
Core Credit	0.00
Country of Origin	Germany (DE)
Customs Tariff Number	85389091
eClass	27-24-22-04
Frame Size	Undefined
Gross Weight	0.5 kg
Invoice Description	ANALOG INPUT MOD,TCAD 24V
Made To Order	No
Medium Description	ANALOG INPUT MOD,TCAD 24V
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Part Type	New
Product Name	-
Product Net Depth / Length	125 mm
Product Net Height	80 mm
Product Net Weight	0.5 kg
Product Net Width	104 mm
Product Type	Undefined
Quote Only	No
Selling Unit of Measure	piece
Short Description	-
Stocked At (Warehouses)	Menden, Germany New Berlin, Wisconsin, United States
UNSPSC	32151705
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

PRODUCT-DETAILS

ICSE08A6

ICSE08A6:AC31 S30,EA



General Information

Extended Product Type	ICSE08A6
Product ID	FPR3345601R1012
ABB Type Designation	ICSE08A6:AC31 S30,EA
Catalog Description	ICSE08A6:AC31 S30,EA
Long Description	ICSE08A6:AC31 S30,EA

Additional Information

ABB Type Designation	ICSE08A6:AC31 S30,EA
CN8	85389091
Country of Origin	Germany (DE)
Customs Tariff Number	85389091
eClass	27-24-22-04
Frame Size	Undefined
Gross Weight	0.3 kg
Invoice Description	ICSE08A6:AC31 S30,EA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Product Main Type	ICSE08A6
Product Name	Undefined
Product Net Depth / Length	125 mm
Product Net Height	80 mm
Product Net Weight	0.3 kg
Product Net Width	104 mm
Product Type	PLC-AC31-40/50
Quote Only	No
Selling Unit of Measure	piece
Stocked At (Warehouses)	Menden, Germany
UNSPSC	32151705
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)



PRODUCT-DETAILS

ICSA04B5

ANALOG OUTPUT,12BIT

General Information

Extended Product Type	ICSA04B5
Product ID	FPR3341501R1042
ABB Type Designation	ICSA04B5
Catalog Description	ANALOG OUTPUT,12BIT
Long Description	ANALOG OUTPUT,12BIT

Additional Information

ABB Type Designation	ICSA04B5
CN8	85371099
Core Credit	0.00
Country of Origin	Germany (DE)
Customs Tariff Number	85371091
Frame Size	Spare_Parts
Gross Weight	0.28 kg
Invoice Description	ANALOG OUTPUT,12BIT
Made To Order	No
Medium Description	ANALOG OUTPUT,12BIT
Minimum Order Quantity	0 piece
Order Multiple	0 piece
Part Type	New
Product Name	-
Product Net Depth / Length	125 mm
Product Net Height	80 mm
Product Net Weight	0.28 kg
Product Net Width	104 mm
Product Type	982__SST-Produkte
Quote Only	No
Selling Unit of Measure	piece
Short Description	-
Stocked At (Warehouses)	New Berlin,Wisconsin, United States
Temperature Class Default	--
Two Speed Motor	No
WEEE B2C / B2B	Business To Business

ICMK14N1 ABB-1SBP260052R1001

Description:

8 INPUTS 24 Vdc, 6 Transistor Outputs

100% insured shipping: A guarantee for your purchases

Express delivery: Worldwide delivery by DHL express courier

HS Code / Commodity code: 85389091



ICMK14F1 ABB

Description:

8 binary inputs, 6 relay outputs, 24 Vdc power supply

100% insured shipping: A guarantee for your purchases

Express delivery: Worldwide delivery by DHL express courier

HS Code / Commodity code: 85389091



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