

## Presentation / operation

Products	Description	References
<b>Extensible remote units</b>		
ICMK 14 F1 24VDC	Extensible remote unit with 8 isolated inputs 24 V d.c. and 6 relay outputs 250 V a.c. / 2 A 24 V d.c. power supply.	1SBP260050R1001
ICMK 14 F1 120/230VAC	Extensible remote unit with 8 isolated inputs 24 V d.c. and 6 relay outputs 250 V a.c. / 2 A 24 V d.c. power supply output to power inputs 120 / 230 V a.c. power supply.	1SBP260051R1001
ICMK 14 N1 24VDC	Extensible remote unit 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.	1SBP260052R1001
<b>Extensions</b>		
XI 16 E1	Binary extension with 16 isolated inputs 24 V d.c.	1SBP260100R1001
XO 08 R1	Binary extension with 8 relay outputs 250 V a.c. / 2 A	1SBP260101R1001
XC 08 L1	Binary extension with 8 channels configurable for inputs or transistor outputs 24 V d.c. / 0.5 A	1SBP260102R1001
XK 08 F1	Binary extension with 4 isolated inputs 24 V d.c. and 4 relay outputs 250 V a.c. / 2 A	1SBP260104R1001
XO 16 N1	Binary extension with 16 transistor outputs 24 V d.c. / 0.5 A	1SBP260105R1001
XO 08 Y1	Binary extension with 8 transistor outputs 24 V d.c. / 2 A	1SBP260108R1001
XO 08 R2	Binary extension with 4 NO relay outputs 250 V a.c. / 2 A and 4 NO/NF relay outputs 250 V a.c. / 3 A	1SPB260109R1001
XM 06 B5	Analog extension with 4 inputs configurable for current / voltage / Pt 100 / Pt 1000 and 2 outputs configurable for current / voltage resolution 12 bits	1SBP260103R1001
XE 08 B5	Analog extension with 8 inputs configurable for current / voltage / Pt 100 / Pt 1000 resolution 12 bits	1SBP260106R1001
XTC 08	Display extension with 8 channels (4 figures + sign + selected channel)	1SBP260107R1001
<b>30 series plug-in base</b>		
ECZ	Plug-in base for mounting series 30 remote units	FPR 370 0001 R0001

# Technical specifications

## 4.2. Technical specifications of the extensible remote units

	<b>ICMK 14 F1 24 V d.c.</b>	<b>ICMK 14 F1 120 / 230 V a.c.</b>	<b>ICMK 14 N1 24 V d.c.</b>
- Weight	400 g	800 g	400 g
<b>Power supply</b>			
- Mains voltage:			
Nominal value	24 V d.c.	120 or 230 V a.c.	24 V d.c.
Admissible range	19.2 to 30 V	97.75 to 126.5 V or 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 the 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
<b>Incorporated binary inputs</b>			
- Number of inputs	8	8	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

# Technical specifications

	ICMK 14 F1 24 V d.c.	ICMK 14 F1 120 / 230 V a.c.	ICMK 14 N1 24 V d.c.
<b>Incorporated outputs</b>			
- 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
L / R = 20 ms	2 A	2 A	and Oxx.01 and
L / R = 30 ms	1 A	1 A	0.5 A for other
L / R = 40 ms	0.6 A	0.6 A	outputs
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 x 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