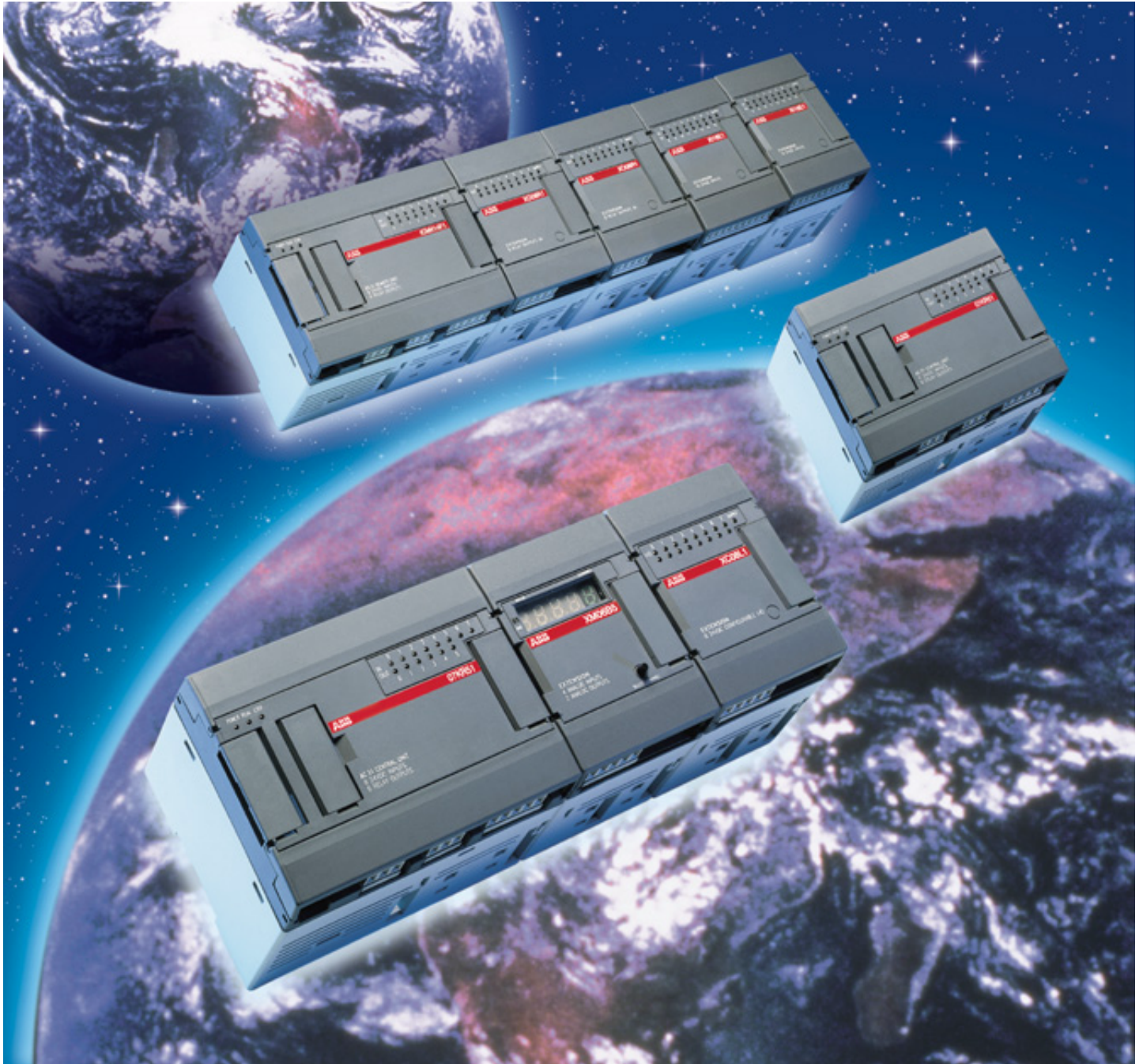


1SBC 260400 R 1001-c



Presentation / operation

4. References

Products	Description	References
Central units		
40 Series		
07 CR 41 24VDC	Extensible stand-alone central unit, with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply.	1SBP260020R1001
07 CR 41 120/230VAC	Extensible stand-alone central unit, with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 interface for programming or ASCII or MODBUS® communication 24 V d. c. power supply output to power inputs 120 / 230 V a.c. power supply	1SBP260021R1001
07 CT 41 24VDC	Extensible stand-alone central unit, with 8 isolated inputs 24 V d.c. and 6 incorporated transistor outputs 24 V d.c. / 0.5 A RS232 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	1SBP260022R1001
50 Series		
07 KR 51 24VDC	Extensible central unit with CS31 bus with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 or RS485 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	1SBP260010R1001
07 KR 51 120/230VAC	Extensible central unit with CS31 bus with 8 isolated inputs 24 V d.c. and 6 incorporated relay outputs 250 V a.c. / 2 A RS232 or RS485 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply output to power inputs 120 / 230 V a.c. power supply.	1SBP260011R1001
07 KT 51 24VDC	Extensible central unit with CS31 bus with 8 isolated inputs 24 V d.c. and 6 incorporated transistor outputs 24 V d.c. / 0.5 A RS232 or RS485 interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	1SBP260012R1001
Programming software		
ABB AC31GRAF	Programming software for central units, under Windows® 3.x, NT and 95/98. English version	1SBS260250R1001
ABB AC31GRAF	Programming software for central units, under Windows® 3.x, NT and 95/98. French version	1SBS260251R1001
ABB AC31GRAF	Programming software for central units, under Windows® 3.x, NT and 95/98. Italian version	1SBS260252R1001

Presentation / operation

Products	Description	References
Central units		
90 Series		
07 KR 91 230VAC	Extensible central unit with CS31 bus, memory 20 isolated inputs 24 V d.c. and 12 relay outputs 250 V a.c. / 2 A 120/230 V a.c. power supply.	GJR5250000R0252
07 KR 91 24VDC	Extensible central unit with CS31 bus 20 isolated inputs 24 V d.c. and 12 relay outputs 250 V a.c. / 2 A 24 V d. c. power supply	GJR5250000R0202
07 KT 92 24VDC	Extensible central unit with CS31 bus 12 isolated inputs 24 V d.c. and 8 transistor outputs 24 V d.c. / 0.5 A with 4 analog inputs and 2 analog outputs interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	GJR5250500R0202
07 KT 92 24VDC	Extensible central unit with CS31 bus 12 isolated inputs 24 V d.c. and 8 transistor outputs 24 V d.c. / 0.5 A with 4 analog inputs and 2 analog outputs interface for programming or ASCII or MODBUS® and ARCNET communication 24 V d.c. power supply	GJR5250500R0262
07 KT 93-S 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A with security automation 24 V d.c. power supply	GJR5251300R2171
07 KT 93 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	GJR5251300R0303
07 KT 93 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A interface for programming or ASCII or MODBUS® and ARCNET communication 24 V d.c. power supply	GJR5251300R0363
07 KT 94 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A 8 channels configurable for inputs or transistor outputs 24 V d.c. / 0.5 A 8 analog inputs and 4 analog outputs interface for programming or ASCII or MODBUS® communication 24 V d.c. power supply	GJR5252100R0101
07 KT 94 24VDC	Extensible central unit with CS31 bus 24 isolated inputs 24 V d.c. and 16 transistor outputs 24 V d.c. / 0.5 A 8 channels configurable for inputs or transistor outputs 24 V d.c. / 0.5 A 8 analog inputs and 4 analog outputs interface for programming or ASCII or MODBUS® and ARCNET communication 24 V d.c. power supply	GJR5252100R0161

Presentation / operation

Products	Description	References
90 Series		
Communication couplers		
07 KP 90 *	RCOM protocol master / slave interface 24 V d.c. power supply.	GJR5251000R0202
07 KP 91 *	EIB coupler	1SAY110165R0003
07 MK 92	Two "C" programmable RS232 / RS422 or RS485 interfaces 24 V d.c. power supply	GATS110098R1161
07 KP 93	Two MODBUS [®] protocol RS232 / RS422 or RS485 interfaces slave / slave or master 24 V d.c. power supply	GATS110100R0001
07 KP 95 *	Coupler for ADVANT AF 100 network	GJR5252000R0101
07 KP 96 *	PDnet coupler in order to communicate with 24 V d.c. power supply KOAX KOAX with redundancy Optic fiber (plastic) LWL Optic fiber (plastic) LWL with redundancy Optic fiber (glass) LWL Optic fiber (glass) LWL with redundancy	GATS110112R0001 GATS110112R0011 GATS110112R0002 GATS110112R0012 GATS110112R0003 GATS110112R0013

* Special software is necessary for these products

Presentation / operation

Products	Description	References
Extensible remote units		
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
Extensions		
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
30 series plug-in base		
ECZ	Plug-in base for mounting series 30 remote units	FPR 370 0001 R0001

Presentation / operation

Products	Description	References
30 series binary remote units		
ICSI 08 E3 120VAC	Binary remote unit with 8 isolated inputs 120 V a.c. 120 V a.c. power supply	FPR 331 6301 R0014
ICSI 08 E4 230VAC	Binary remote unit with 8 isolated inputs 230 V a.c. 230 V a.c. power supply	FPR 331 6401 R0016
ICSO 08 Y1 24VDC	Binary remote unit with 8 transistor outputs 24 V d.c. / 2 A 24 V d.c. power supply	FPR 331 1101 R1022
ICSO 08 Y1 120VAC	Binary remote unit with 8 transistor outputs 24 V d.c. / 2 A 120 V a.c. power supply	FPR 331 1101 R0024
ICSO 08 Y1 230VAC	Binary remote unit with 8 transistor outputs 24 V d.c. / 2 A 230 V a.c. power supply	FPR 331 1101 R0026
30 series analog remote units		
ICSE 08 A6 24VDC	Analog remote unit with 8 inputs configurable current / voltage resolution 8 bits 24 V d.c. power supply	FPR 334 5601 R1012
ICSE 08 A6 120VAC	Analog remote unit with 8 inputs configurable current / voltage resolution 8 bits 120 V a.c. power supply	FPR 334 5601 R0014
ICSE 08 A6 230VAC	Analog remote unit with 8 inputs configurable current / voltage resolution 8 bits 230 V a.c. power supply.	FPR 334 5601 R0016
ICSE 08 B5 24VDC	Analog remote unit with 8 inputs configurable current / voltage resolution 12 bits 24 V d.c. power supply	FPR 334 6501 R1012
ICSE 08 B5 120VAC	Analog remote unit with 8 inputs configurable current / voltage resolution 12 bits 120 V a.c. power supply	FPR 334 6501 R0014
ICSE 08 B5 230VAC	Analog remote unit with 8 inputs configurable current / voltage resolution 12 bits 230 V a.c. power supply	FPR 334 6501 R0016
ICSA 04 B5 24VDC	Analog remote unit with 4 outputs configurable current / voltage resolution 12 bits 24 V d.c. power supply	FPR 334 1501 R1042
ICSA 04 B5 120VAC	Analog remote unit with 4 outputs configurable current / voltage resolution 12 bits 120 V a.c. power supply	FPR 334 1501 R0044
ICSA 04 B5 230VAC	Analog remote unit with 4 outputs configurable current / voltage resolution 12 bits 230 V a.c. power supply.	FPR 334 1501 R0046

Presentation / operation

Products	Description	References
90 series binary remote units		
07 DI 92	Binary remote unit with 32 binary inputs 24 V d.c. 24 V d.c. power supply	GJR 525 2400 R0101
07 DC 91	Binary remote unit with 16 binary inputs, 8 transistor outputs and 8 configurable inputs/outputs 24 V d.c. / 0,5 A	GJR 525 1400 R0202
07 DC 92	Binary remote unit with 32 configurable inputs/outputs 24 V d.c. / 0,5 A	GJR 525 2200 R0101
90 series analog remote units		
07 AI 91	Analog remote unit with 8 inputs configurable current / voltage, Pt 100, Pt 1000 or thermocouple types J, K, S resolution 12 bits 24 V d.c. power supply	GJR 525 1600 R0202
07 AC 91	Analog remote unit with 16 inputs/outputs configurable current / voltage resolution 8 / 12 bits 24 V d.c. power supply	GJR 525 2300 R1001
Remote units with IP 67 protection		
07 DI 93-I	Binary remote unit with IP 67 protection with 16 inputs 24 V d.c. 24 V d.c. power supply	GJV 307 5613 R0202
07 DO 93-I	Binary remote unit with IP 67 protection with 8 transistor outputs 24 V d.c. / 2 A 24 V d.c. power supply	GJV 307 5611 R0202
07 DK 93-I	Binary remote unit with IP 67 protection with 8 inputs 24 V d.c. and 4 transistor outputs 24 V d.c. / 2 A 24 V d.c. power supply	GJV 307 5623 R0202
Safety remote units only used with 07 KT93-S		
07 DI 90-S	Safety remote unit with 8 binary inputs 24 V d.c. 24 V d.c. power supply	GJR 525 0900 R0202
07 DO 90-S	Safety remote unit with 8 transistor outputs 24 V d.c. / 0,5 A 24 V d.c. power supply	GJR 525 0800 R0202
07 AI 90-S	Safety remote unit with 4 analog inputs, resolution 12 bits, 4..20mA 24 V d.c. power supply	GJR 525 1100 R0202
Remote counter units	Remote high speed counter unit, max. 50 kHz 4 inputs A/A, B/B, C/C - 5.15 or 24 V d.c. modes : incremental, A-B (32 bits), A+B (32 bits), 3 (16 bit) stand-alone counters or 3 (16 bit) frequency meters 100 ms to 6536.5 s validation, RESET, set, reference point 7 transistor (24 V d.c. / 0.5 A) outputs for local comparison management between 2 instructions and the counter value.	
ICSF 08 D1 24VDC	24 V d.c. power supply	FPR 332 3101 R1012
ICSF 08 D1 120VAC	120 V a.c. power supply	FPR 332 3101 R0014
ICSF 08 D1 230VAC	230 V a.c. power supply	FPR 332 3101 R0016

Presentation / operation

Products	Description	References
Displays		
TC 50	Display with 2 lines of 20 characters, 7 operator keys, 5 customizable keys for parameter modifications or process control IP 65 front 128 pages with 6 data/page insertion 128 help messages + 128 information messages RS232 liaison through the serial ports of the central units MODBUS [®] protocol or AC 31 programming mode 24 V d.c. power supply Delivered with connecting cable for 40 and 50 series central units	1SBP260150R1001
TC 50-2	Display with 2 lines of 20 characters, 7 operator keys, 5 customizable keys for parameter modifications or process control IP 65 front 128 pages with 6 data/page insertion 128 help messages + 128 information messages RS485 liaison through the serial ports of the central units MODBUS [®] protocol or AC 31 programming mode 24 V d.c. power supply Delivered with connecting cable for 40 and 50 series central units	1SBP260151R1001
TCWIN	Programming software for TC 50 and TC 50-2 under Windows [®] NT and 95/98. Delivered with connecting cable for 40 and 50 series central units	1SBS260280R1001
TCAD	Display connected to CS 31 bus 2 lines of 16 characters 1 buzzer and 1 programmable key 127 messages + 1 background message with 2 embedded data / message IP 65 front 24 V d.c. power supply Delivered with programming software	FPR 320 3526 R1002
CS 31 bus accessories		
NCB	CS 31 bus amplifier for 500 m max. 2 000 m with 3 amplifiers 24 V d.c. power supply	FPR 347 1200 R1002
NCBR	CS 31 bus amplifier for 500 m max. 2 000 m with 3 amplifiers with redundancy in parallel, ring or star 24 V d.c. power supply	FPR 347 1300 R1002
Cables		
07 SK 50	PC programming cable - 40 and 50 series central units SUB D9 connector to PC	1SBN260200R1001
07 SK 51	40 and 50 series central units MODBUS [®] /ASCII communication cable - SUB D9 connector to PC	1SBN260201R1001
07 SK 52	40 and 50 series central units programming cable with bare wires / terminal connection to central unit	1SBN260202R1001
07 SK 53	40 and 50 series central units MODBUS [®] /ASCII communication cable, with bare wires / terminal connection to central unit	1SBN260203R1001
07 SK 54	TC 50 cable - 40 and 50 series central units	1SBN260204R1001
07 SK 55	PC-TC 50 programming cable SUB D9 connector to PC	1SBN260205R1001
07 SK 57	TC 50 cable - 30 and 90 series central units	1SBN260207R1001
07 SK 58	TC 50-2 cable with bare wires / terminal connection to central unit.	1SBN260208R1001

Presentation / operation

Products	Description	References
Connectors		
07 ST 50	Dual connector for easy connection, to 40 and 50 series central units, of sensors or 3 wire binary actuators 2 units	1SBN260300R1001
07 ST 51	Dual connector for easy connection, to 40 and 50 series central units, of sensors or 3/4 wire analog actuators 2 units	1SBN260301R1001
07 ST 52	Cage-clamp type connectors for binary channels 2 units	1SBN260302R1001
07 ST 54	A set of cage-clamp type connectors for central or remote units	1SBN260311R1001
07 ST 55	A set of cage-clamp type connectors for XI 16 E1 or XO 16 N1 or XE 08 B5 extensions	1SBN260312R1001
07 ST 56	A set of cage-clamp type connectors for XO 08 R1 or XC 08 L1 or XK 08 F1 extensions	1SBN260313R1001
07 ST 57	A set of cage-clamp type connectors for XM 06 B5 extension	1SBN260314R1001
Various accessories		
Labels	Label for channel description by user (100 units)	1SBN260310R1001
40 and 50 series documentation	English technical documentation for the 40 and 50 series central units	1SBC260400R1001

Each of the following AC 31 products are described in their respective documentation : 90 series units, 30 series, IP 65 protection, high speed counter, robot interfaces, displays and CS 31 bus accessories.
