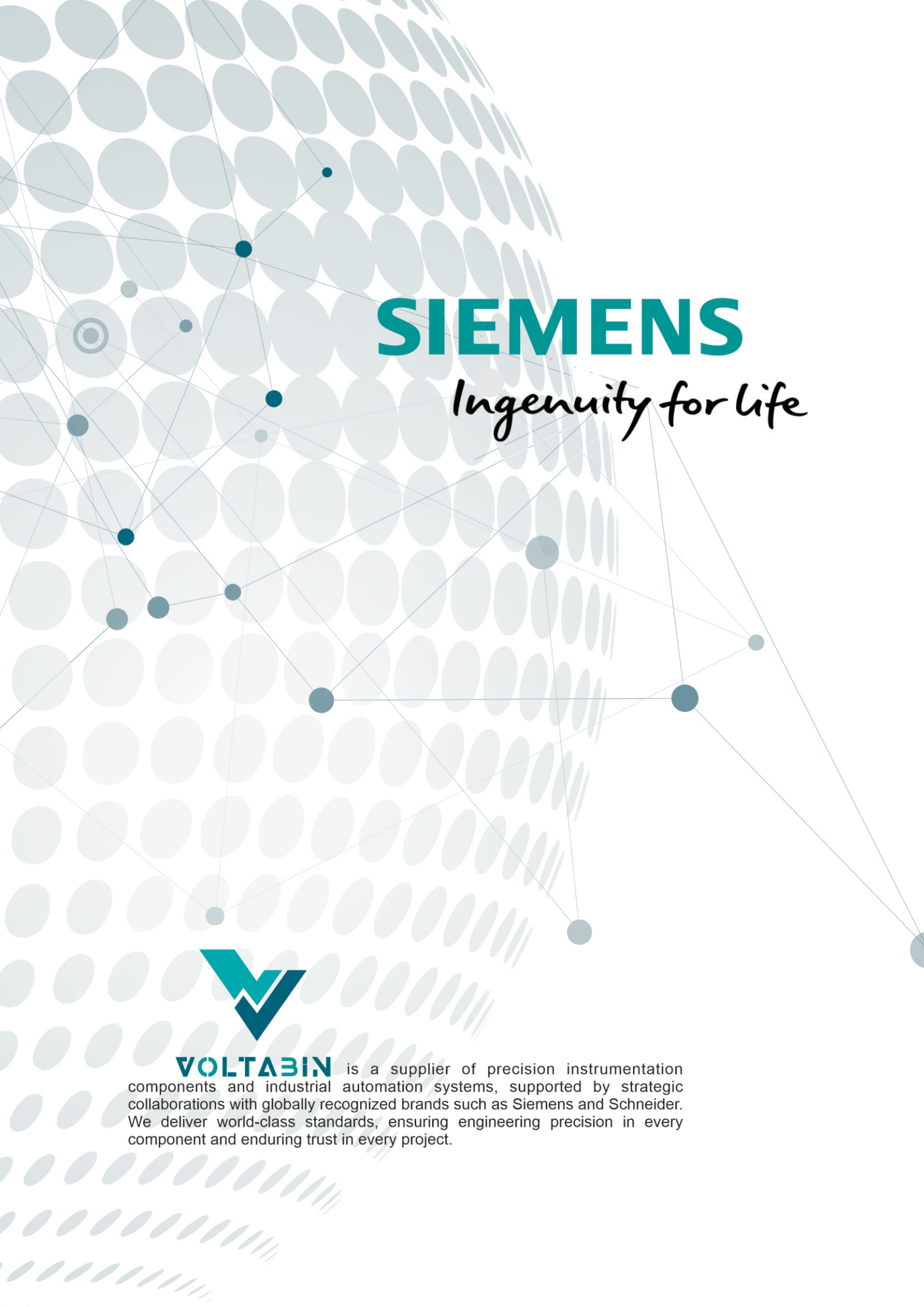




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VOLTABIN is a supplier of precision instrumentation components and industrial automation systems, supported by strategic collaborations with globally recognized brands such as Siemens and Schneider. We deliver world-class standards, ensuring engineering precision in every component and enduring trust in every project.



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شرکت ولتابین ، در راستای پیشرفت و ارائه هرچه بهتر خدمات بر مبنای رضایت و اعتماد مشتریان و دسترسی واحدهای صنعتی کشور به تکنولوژی روز دنیا ، اقدام به تامین و توزیع تجهیزات زیرمبنس و اشنایدر در زمینه اتوماسیون صنعتی ، فشار ضعیف، درایو و ابزار دقیق نموده است تا در عرصه فناوری و شکوفایی هر چه بیشتر کشور عزیزمان سهیم باشد

بدیهی است خط مشی این مجموعه بر پایه کیفیت و مشتری مداری بنا گردیده است از این رو این مجموعه با موجودی کامل قطعات اصلی (original) آماده ارائه خدمات و پاسخگویی در کوتاهترین زمان به شما مشتریان گرامی می باشد





4

Product overview for LOGO! 8



6

Product overview for SIMATIC S7-1200



10

Product overview for SIMATIC S7-1500



13

Product overview for HMI/Power supply



14

Product overview for MCB



16

Product overview for Contactor



20

Product overview for MPCB



22

Product overview for Soft Starter



23

Product overview for Drive



24

Product overview for MCCB



27

Product overview for ACB

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List

Logic modules



LOGO!12/24RCE, 8DI(4AI)/4DO, 400 Blocks
 LOGO!230RCE, 8DI/4DO, 400 Blocks
 LOGO! 24RCE, 8DI/4DO, 400 Blocks
 LOGO! 24CE, 8DI(4AI)/4DO, 400 Blocks

Article number

6ED1052-1MD08-0BA2
 6ED1052-1FB08-0BA2
 6ED1052-1HB08-0BA2
 6ED1052-1CC08-0BA2

Digital expansion modules



LOGO! DM8 24 Exp. mod., 4DI/4DO
 LOGO! DM16 24 Exp. mod., 4 MW, 8DI/8DO
 LOGO! DM8 230R Exp. mod. 2 MW, 4DI/4DO
 LOGO! DM16 230R Exp. mod. 4 MW, 8DI/8DO
 LOGO! DM8 24R Exp. mod. 2 MW, 4DI/4DO
 LOGO! DM8 12/24R Exp. mod. 2 MW, 4DI/DO
 LOGO! DM16 24R Exp. mod. 4 MW, 8DI/8DO

Article number

6ED1055-1CB00-0BA2
 6ED1055-1CB10-0BA2
 6ED1055-1FB00-0BA2
 6ED1055-1FB10-0BA2
 6ED1055-1HB00-0BA2
 6ED1055-1MB00-0BA2
 6ED1055-1NB10-0BA2

Analog expansion modules



LOGO! AM2 Exp. mod., 12/24V, 2AI,
 LOGO! AM2 RDT, 2AI, -50..+200DECR/C
 LOGO! AM2 AQ, 2AQ, 0-10V, 0/4-20mA

Article number

6ED1055-1MA00-0BA2
 6ED1055-1MD00-0BA2
 6ED1055-1MM00-0BA2

Communication modules



LOGO! CSM12/24
 LOGO! CSM 230
 Communication module LOGO! CMR2020
 Communication module LOGO! CMR2040
 LOGO! CMK2000
 LOGO! CIM

Article number

6GK7177-1MA20-0AA0
 6GK7177-1FA10-0AA0
 6GK7142-7BX00-0AX0
 6GK7142-7EX00-0AX0
 6BK1700-0BA20-0AA0
 6ED1055-5MC08-0BA1

HMI devices



LOGO! TD Textdisplay, 6 Lines

Article number

6ED1055-4MH08-0BA1

Power supply



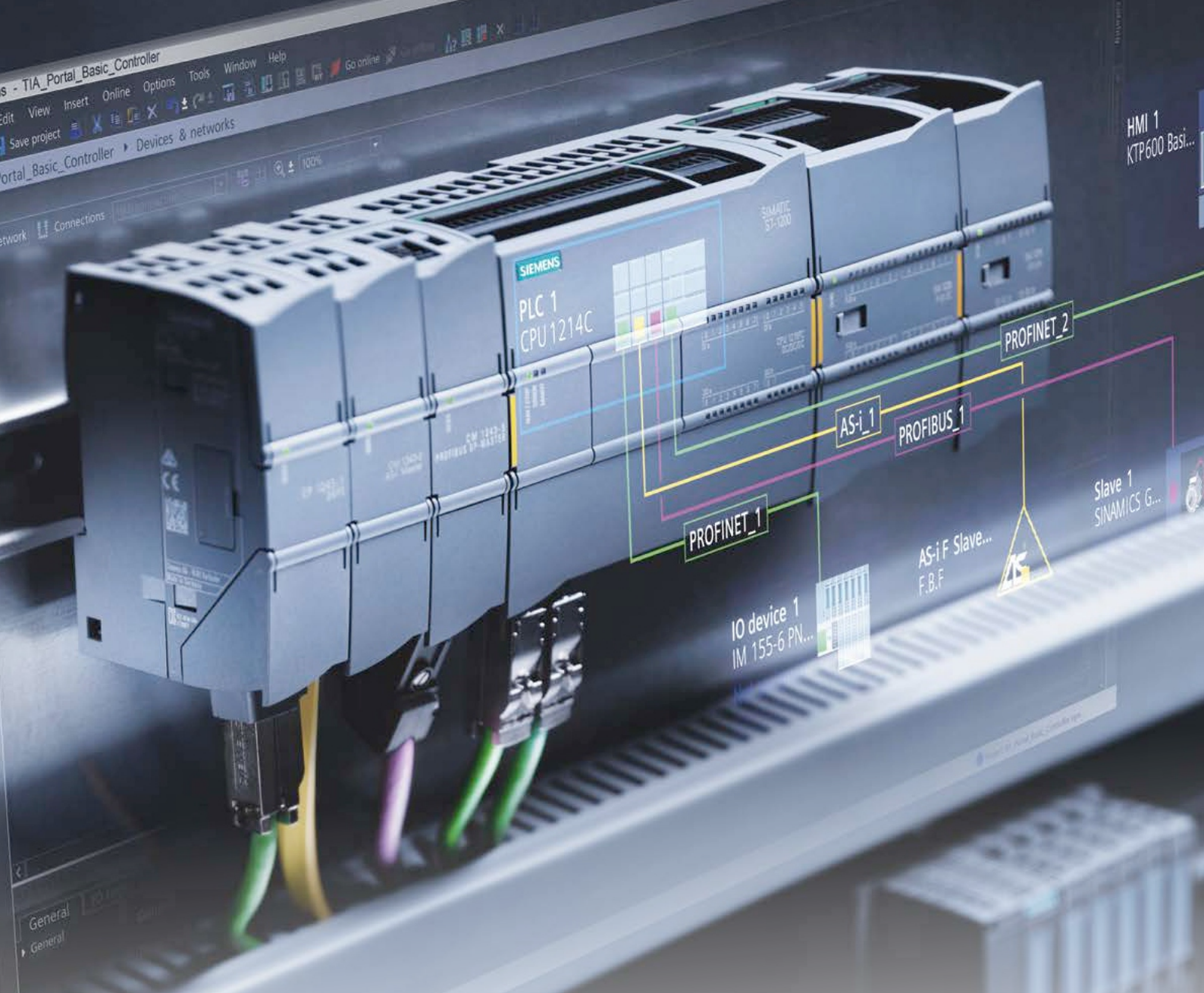
LOGO!Power/1AC/24VDC/1.3A
 LOGO!Power/1AC/24VDC/2.5A
 LOGO!Power/1AC/24VDC/4A

Article number

6EP3331-6SB00-0AY0
 6EP3332-6SB00-0AY0
 6EP3333-6SB00-0AY0

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Be flexible thanks to networking possibilities

Basic Controller SIMATIC S7-1200

VOLTABIN

Central processing units

**CPU 1211C**

CPU 1211C, DC/DC/DC, 6DI/4DO/2AI	6ES7211-1AE40-0XB0
CPU 1211C, AC/DC/Relay, 6DI/4DO/2AI	6ES7211-1BE40-0XB0
CPU 1211C, DC/DC/Relay, 6DI/4DO/2AI	6ES7211-1HE40-0XB0

CPU 1212C

CPU 1212C, DC/DC/DC, 8DI/6DO/2AI	6ES7212-1AE40-0XB0
CPU 1212C, AC/DC/Relay, 8DI/6DO/2AI	6ES7212-1BE40-0XB0
CPU 1212C, DC/DC/Relay, 8DI/6DO/2AI	6ES7212-1HE40-0XB0

CPU 1214C

CPU 1214C, DC/DC/DC, 14DI/10DO/2AI	6ES7214-1AG40-0XB0
CPU 1214C, AC/DC/Relay, 14DI/10DO/2AI	6ES7214-1BG40-0XB0
CPU 1214C, DC/DC/Relay, 14DI/10DO/2AI	6ES7214-1HG40-0XB0

CPU 1215C

CPU 1215C, DC/DC/DC, 14DI/10DO/2AI/2AO	6ES7215-1AG40-0XB0
CPU 1215C, AC/DC/RLY, 14DI/10DO/2AI/2AO	6ES7215-1BG40-0XB0
CPU 1215C, DC/DC/RLY, 14DI/10DO/2AI/2AO	6ES7215-1HG40-0XB0

CPU 1217C

CPU 1217C, DC/DC/DC, 14DI/10DO/2AI/2AQ	6ES7217-1AG40-0XB0
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Signal boards

**Digital inputs**

Signal Board SB 1221, 4 DI 24VDC 200KHz	6ES7221-3BD30-0XB0
Signal Board SB 1221, 4 DI 5VDC 200KHz	6ES7221-3AD30-0XB0

Digital outputs

Signal Board SB1222, 4 DQ 24VDC 200KHz	6ES7222-1BD30-0XB0
Signal Board SB1222, 4 DQ 5VDC 200KHz	6ES7222-1AD30-0XB0

Digital inputs/outputs

Signal Board SB1223, 2 DI/2 DO	6ES7223-0BD30-0XB0
Signal Board SB 1223, 2DI/2DQ 24V 200KHz	6ES7223-3BD30-0XB0
Signal Board SB 1223, 2DI/2DQ 5V 200KHz	6ES7223-3AD30-0XB0

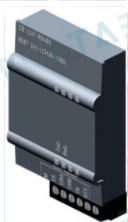
Analog inputs

Signal Board SB 1231, 1 AI	6ES7231-4HA30-0XB0
Signal Board SB 1231 RTD	6ES7231-5PA30-0XB0
Signal Board SB 1231 TC, 1 AI	6ES7231-5QA30-0XB0

Analog outputs

Signal Board SB 1232, 1 AO	6ES7232-4HA30-0XB0
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Communication boards

[Compare technical specifications online](#)**Point-to-point**

Communication Board CB 1241, RS485	6ES7241-1CH30-1XB0
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Digital modules

**Digital input SM 1221**

Digital Input SM 1221, 8DI, 24V DC
Digital Input SM 1221, 16DI, 24V DC

Article number

6ES7221-1BF32-0XB0
6ES7221-1BH32-0XB0

Digital output SM 1222

Digital Output SM 1222, 8 DO, Relay
Digital Output SM 1222, 8 DO, Changeover
Digital Output SM1222, 16 DO, Relay
Digital Output SM1222, 8 DO, 24V DC
Digital Output SM1222, 16 DO, 24V DC

6ES7222-1HF32-0XB0
6ES7222-1XF32-0XB0
6ES7222-1HH32-0XB0
6ES7222-1BF32-0XB0
6ES7222-1BH32-0XB0

Digital I/O SM 1223

Digital I/O SM 1223, 8 DI / 8 DO
Digital I/O SM 1223, 16DI/16DO
Digital I/O SM 1223, 8DI/8DO
Digital I/O SM 1223, 16DI/16DO
Digital I/O SM 1223, 8DI AC/ 8DO Rly

6ES7223-1BH32-0XB0
6ES7223-1BL32-0XB0
6ES7223-1PH32-0XB0
6ES7223-1PL32-0XB0
6ES7223-1QH32-0XB0

Analog modules

**SM 1231 analog input module**

Analog Input SM 1231, 4AI
Analog Input SM 1231, 8AI
Analog Input SM 1231, 4AI 16bit
S7-1200, analog Input SM 1231 RTD, 4 AI
S7-1200, analog Input SM 1231 RTD, 8 AI
S7-1200, analog Input SM 1231 TC, 4 AI
S7-1200, analog Input SM 1231 TC, 8 AI
SM 1238 Energy Meter 480V AC

Article number

6ES7231-4HD32-0XB0
6ES7231-4HF32-0XB0
6ES7231-5ND32-0XB0
6ES7231-5PD32-0XB0
6ES7231-5PF32-0XB0
6ES7231-5QD32-0XB0
6ES7231-5QF32-0XB0
6ES7238-5XA32-0XB0

SM 1232 analog output module

Analog Output SM 1232, 4AO
Analog Output SM 1232, 2AO

6ES7232-4HD32-0XB0
6ES7232-4HB32-0XB0

SM 1234 analog input/output module

Analog I/O SM 1234, 4AI/2AO

6ES7234-4HE32-0XB0

Communication modules



S7-1200, SM1278, 4 X IO-Link Master
Communication Module cm 1241, RS232
Communication Module cm 1241, RS422/485
Communication module CM 1242-5
CM 1243-2 (AS-I V3.0)
Communication module CM 1243-5
Communication module RF120C
Communication processor CP 1242-7
Communication processor CP 1243-1
Communication processor CP 1243-7 LTE EU
Communication processor CP 1243-7 LTE US
Communication processor CP 1243-8 IRC
DCM 1271 (AS-I DATA DECOUPL)
Compact Switch Module CSM 1277

Article number

6ES7278-4BD32-0XB0
6ES7241-1AH32-0XB0
6ES7241-1CH32-0XB0
6GK7242-5DX30-0XE0
3RK7243-2AA30-0XB0
6GK7243-5DX30-0XE0
6GT2002-0LA00
6GK7242-7KX31-0XE0
6GK7243-1BX30-0XE0
6GK7243-7KX30-0XE0
6GK7243-7SX30-0XE0
6GK7243-8RX30-0XE0
3RK7271-1AA30-0AA0
6GK7277-1AA10-0AA0

Technology modules



	Article number
SIWAREX WP231 Weighing module	7MH4960-2AA01
SIWAREX WP241 Weighing module	7MH4960-4AA01
SIWAREX WP251 Weighing module	7MH4960-6AA01
SM1281_Condition_Monitoring	6AT8007-1AA10-0AA0

Power supplies



	Article number
SIMATIC PM 1207/1AC/24VDC/2.5A	6EP1332-1SH71

Accessories



Memory card	Article number
SIMATIC S7 memory card, 4 MB	6ES7954-8LC04-0AA0
SIMATIC S7 Memory Card, 12 MB	6ES7954-8LE04-0AA0
SIMATIC S7 Memory Card, 24 MB	6ES7954-8LF04-0AA0
SIMATIC S7 Memory Card, 256 MB	6ES7954-8LL04-0AA0
SIMATIC S7 Memory Card, 2 GB	6ES7954-8LP04-0AA0
SIMATIC S7 Memory Card, 32 GB	6ES7954-8LT04-0AA0

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Superior performance, modular flexibility, enabling digital transformation

Basic Controller SIMATIC S7-1500

Central processing units

Article number

**Standard CPUs**

CPU 1511-1PN, 300KB Prog., 1,5MB Data	6ES7511-1AL03-0AB0
CPU 1513-1 PN, 600KB Prog., 2,5MB Data	6ES7513-1AM03-0AB0
CPU 1515-2 PN, 1MB Prog., 4,5MB Data	6ES7515-2AN03-0AB0
CPU 1516-3 PN/DP, 2MB Prog., 7,5MB Data	6ES7516-3AP03-0AB0
CPU 1517-3 PN/DP, 2MB Prog./8MB Data	6ES7517-3AP00-0AB0
CPU 1518-4 PN/DP, 6 MB Prog., 60MB Data	6ES7518-4AP00-0AB0
CPU 1518-4 PN/DP MFP + C/C++ RT + OPC UA	6ES7518-4AX00-1AC0

Compact CPUs

CPU 1511C-1 PN, 175 KB Prog, 1 MB Data	6ES7511-1CK01-0AB0
CPU 1512C-1 PN, 250 KB Prog, 1 MB Data	6ES7512-1CK01-0AB0

Redundant CPUs

CPU 1513R-1 PN, 600KB program/2,5MB data	6ES7513-1RM03-0AB0
CPU 1515R-2 PN, 1MB program/ 4,5MB data	6ES7515-2RN03-0AB0
CPU 1517H-3 PN, 2MB program/8MB data	6ES7517-3HP00-0AB0

Digital modules

Article number

**Digital input**

S7-1500, DI 32x24VDC HF	6ES7521-1BL00-0AB0
S7-1500, DI 16x24VDC HF	6ES7521-1BH00-0AB0
S7-1500, DI 16x24VDC HS	6ES7521-7BH00-0AB0
S7-1500, DI 16x230VAC BA	6ES7521-1FH00-0AA0
S7-1500, DI 16x24VDC SRC BA	6ES7521-1BH50-0AA0
S7-1500, DI 16x24VDC BA	6ES7521-1BH10-0AA0
S7-1500, DI 32x24VDC BA	6ES7521-1BL10-0AA0
S7-1500, DI 16 x 24...125V UC HF	6ES7521-7EH00-0AB0
S7-1500, DI 16XNAMUR HF	6ES7521-7TH00-0AB0
S7-1500, DI 64x24VDC SNK/SRC BA	6ES7521-1BP00-0AA0

Digital output

S7-1500, DQ 32x24VDC/0.5A HF	6ES7522-1BL01-0AB0
S7-1500, DQ 16x24V DC/0.5A HF	6ES7522-1BH01-0AB0
S7-1500, DQ 8x24VDC/2A HF	6ES7522-1BF00-0AB0
S7-1500, DQ 8x230VAC/2A ST (Triac)	6ES7522-5FF00-0AB0
S7-1500, DQ 8x230VAC/5A ST (Relay)	6ES7522-5HF00-0AB0
S7-1500, DQ 16x230VAC/1A ST (Triac)	6ES7522-5FH00-0AB0
S7-1500, DQ 16x230VAC/2A ST (Relay)	6ES7522-5HH00-0AB0
S7-1500, DQ 16x24VDC/0.5A BA	6ES7522-1BH10-0AA0
S7-1500, DQ 32x24VDC/0.5A BA	6ES7522-1BL10-0AA0
S7-1500, DQ 16x24...48VUC/125VDC/0.5A ST	6ES7522-5EH00-0AB0
S7-1500, DQ 64x24VDC/0.3A BA	6ES7522-1BP00-0AA0
S7-1500, DQ 64x24VDC/0.3A SNK BA	6ES7522-1BP50-0AA0

Digital inputs/outputs

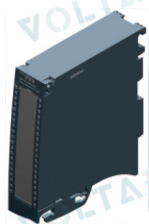
S7-1500, DI 16x24VDC/DQ 16x24VDC/0.5A BA	6ES7523-1BL00-0AA0
S7-1500, DI 32x24VDC/DQ 32x24VDC/0.3A BA	6ES7523-1BP50-0AA0

Fail-safe digital modules

ET 200MP, F-DI 16X24VDC	6ES7526-1BH00-0AB0
ET 200MP, F-DQ 8x24VDC 2A PPM	6ES7526-2BF00-0AB0

Analog modules

Article number



Analog input

S7-1500, AI 8xU/I/R/RTD BA	6ES7531-7QF00-0AB0
S7-1500, AI 8xU/I/RTD/TC ST	6ES7531-7KF00-0AB0
S7-1500, AI 8xU/I HS	6ES7531-7NF10-0AB0
S7-1500, AI 8 X U/R/RTD/TC HF	6ES7531-7PF00-0AB0
S7-1500, AI 8xU/I HF	6ES7531-7NF00-0AB0
S7-1500, AI 4xU/I/RTD/TC ST	6ES7531-7QD00-0AB0
S7-1500, AI 16xU BA	6ES7531-7LH00-0AB0
S7-1500, AI 16xI BA	6ES7531-7MH00-0AB0

Analog output

S7-1500, AQ 8xU/I HS	6ES7532-5HF00-0AB0
S7-1500, AQ 4xU/I ST	6ES7532-5HD00-0AB0
S7-1500, AQ 4xU/I HF	6ES7532-5ND00-0AB0
S7-1500, AQ 2xU/I ST	6ES7532-5NB00-0AB0

Analog inputs/outputs

S7-1500, AI 4x U/I/RTD/TC/AQ 2x U/I ST	6ES7534-7QE00-0AB0
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Communication modules

Article number



S7-1500, CM PTP RS232 BA	6ES7540-1AD00-0AA0
S7-1500, CM PTP RS422/485 BA	6ES7540-1AB00-0AA0
S7-1500, CM PTP RS232 HF	6ES7541-1AD00-0AB0
S7-1500, CM PTP RS422/485 HF	6ES7541-1AB00-0AB0
Communication module CM 1542-5	6GK7542-5DX00-0XE0
Communication module CM 1542-1	6GK7542-1AX00-0XE0
S7-1500, CM 8xIO-Link	6ES7547-1JF00-0AB0
Communication processor CP 1543-1	6GK7543-1AX00-0XE0
Communication processor CP 1542-5	6GK7542-5FX00-0XE0
Communication processor CP 1545-1	6GK7545-1GX00-0XE0

Technology modules

Article number



SIWAREX WP521 ST WEIGHING ELECTRONIC	7MH4980-1AA01
SIWAREX WP522 ST WEIGHING ELECTRONIC	7MH4980-2AA01

System power supplies

Article number



S7-1500, PS 25W 24V DC	6ES7505-0KA00-0AB0
S7-1500, PS 60W 24/48/60V DC	6ES7505-0RA00-0AB0
S7-1500, PS 60W 24/48/60V DC HF	6ES7505-0RB00-0AB0
S7-1500, PS 60W 120/230V AC/DC	6ES7507-0RA00-0AB0

Load current supplies



SIMATIC PM1507/1AC/24VDC/3A
SIMATIC PM1507/1AC/24VDC/8A

Article number

6EP1332-4BA00
6EP1333-4BA00

Accessories



Memory card

SIMATIC S7 memory card, 4 MB
SIMATIC S7 Memory Card, 12 MB
SIMATIC S7 Memory Card, 24 MB
SIMATIC S7 Memory Card, 256 MB
SIMATIC S7 Memory Card, 2 GB
SIMATIC S7 Memory Card, 32 GB
SIPLUS RIC memory cards

Article number

6ES7954-8LC03-0AA0
6ES7954-8LE03-0AA0
6ES7954-8LF03-0AA0
6ES7954-8LL03-0AA0
6ES7954-8LP03-0AA0
6ES7954-8LT03-0AA0

Front connector

Frontconnector Screw Type (35mm Mod.)
Frontconnector Push-in (35mm Mod.)
Frontconnector Push-in (25mm Mod.)

6ES7592-1AM00-0XB0
6ES7592-1BM00-0XB0
6ES7592-1BM00-0XA0

Engineering software and software options



SIMATIC STEP 7 Professional V18 (Download)
SIMATIC STEP 7 Professional V18 (Package)
SIMATIC STEP 7 Prof. TIA Portal SUS DL
STEP 7 Prof. TIA Portal SUS
SIMATIC STEP 7 Safety Advanced V18 (Download)
SIMATIC STEP 7 Safety Advanced V18 (Package)
STEP7 Safety Advanced, SUS Download
STEP7 Safety Advanced, SW Update Service

Article number

6ES7822-1AE08-0YA5
6ES7822-1AA08-0YA5
6ES7822-1AE00-0YY0
6ES7822-1AA00-0YL5
6ES7833-1FA18-0YH5
6ES7833-1FA18-0YA5
6ES7833-1FC00-0YY0
6ES7833-1FC00-0YX2

HMI TP



HMI TP700 Comfort PN interface, MPI/DP interface	6AV2124-0GC01-0AX0
HMI TP900 Comfort PN interface, MPI/DP interface	6AV2124-0JC01-0AX0
HMI TP1200 Comfort PN interface, MPI/DP interface	6AV2124-0MC01-0AX0
HMI TP1500 Comfort PN interface, MPI/DP interface	6AV2124-0QC01-0AX2
HMI TP1900 Comfort PN interface, MPI/DP interface	6AV2124-0UC02-0AX1
HMI TP2200 Comfort PN interface, MPI/DP interface	6AV2124-0XC02-0AX1

Article number

HMI KTP



HMI KTP400 BasicPROFINET interface	6AV2123-2DB03-0AX0
HMI KTP700 BasicPROFINET interface	6AV2123-2GB03-0AX0
HMI KTP700 Basic PROFIBUS DP interface	6AV2123-2GA03-0AX0
HMI KTP900 Basic PROFINET interface	6AV2123-2JB03-0AX0
HMI KTP1200 Basic PROFINET interface	6AV2123-2MB03-0AX0
HMI KTP1200 Basic PROFIBUS DP interface	6AV2123-2MA03-0AX0

Article number

Product overview for Power supply

SITOP PSU4200



SITOP PSU4200 1AC 24 V/5 A stabilized power supply	6EP3333-3SB00-0AX0
SITOP PSU4200 1AC 24 V/10 A stabilized power supply	6EP3334-3SB00-0AX0
SITOP PSU4200 1AC 24 V/20 A stabilized power supply	6EP3336-3SB00-0AX0

Article number

SITOP PSU100S



SITOP PSU100S 1AC 5 A stabilized power supply	6EP1333-2BA20
SITOP PSU200M 1AC 5 A stabilized power supply	6EP1333-3BA10
SITOP PSU100S 1AC 10 A stabilized power supply	6EP1334-2BA20
SITOP PSU200M 1AC 10 A stabilized power supply	6EP1334-3BA10
SITOP PSU100S 1AC 20 A stabilized power supply	6EP1336-2BA10
SITOP PSU8200 1AC 20 A stabilized power supply	6EP1336-3BA10
SITOP PSU8200 1AC 40 A stabilized power supply	6EP3337-8SB00-0AY0
SITOP PSU300S 3AC 10 A stabilized power supply	6EP1434-2BA20
SITOP PSU300S 3AC 20 A stabilized power supply	6EP1436-2BA10
SITOP PSU300S 3AC 40 A stabilized power supply	6EP1437-2BA20
SITOP PSU8200 3AC 10 A stabilized power supply	6EP3434-8SB00-0AY0
SITOP PSU8200 3AC 20 A stabilized power supply	6EP3436-8SB00-0AY0
SITOP PSU8200 3AC 40 A stabilized power supply	6EP3437-8SB00-0AY0

Article number

MCB

Material Type	Curve	Rated Current In(A)	Order Number	Quantity Per Box
5SL 6 kA Circuit Breakers 230 / 400 V AC				

Single phase circuit breakers without auxiliary

Fuse Curve B



5SL61...-YA



B	6	5SL6106-6YA	12
B	10	5SL6110-6YA	12
B	16	5SL6116-6YA	12
B	20	5SL6120-6YA	12
B	25	5SL6125-6YA	12
B	32	5SL6132-6YA	12
B	40	5SL6140-6YA	12

Single phase circuit breakers without auxiliary

Fuse Curve C



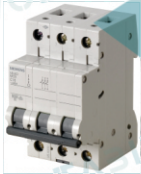
5SL61...-YA



C	6	5SL6106-7YA	12
C	10	5SL6110-7YA	12
C	16	5SL6116-7YA	12
C	20	5SL6120-7YA	12
C	25	5SL6125-7YA	12
C	32	5SL6132-7YA	12
C	40	5SL6140-7YA	12

Three phase circuit breakers without auxiliary

Fuse Curve C



5SL63...-YA



C	6	5SL6306-7YA	4
C	10	5SL6310-7YA	4
C	16	5SL6316-7YA	4
C	20	5SL6320-7YA	4
C	25	5SL6325-7YA	4
C	32	5SL6332-7YA	4
C	40	5SL6340-7YA	4

Single phase circuit breakers with auxiliary

Fuse Curve B



5SL61...



B	6	5SL6106-6	12
B	10	5SL6110-6	12
B	16	5SL6116-6	12
B	20	5SL6120-6	12
B	25	5SL6125-6	12
B	32	5SL6132-6	12
B	40	5SL6140-6	12

MCB

Material Type	Curve	Rated Current In(A)	Order Number	Quantity Per Box
5SL 6 kA Circuit Breakers 230 / 400 V AC				

Single phase circuit breakers with auxiliary

Fuse Curve C



5SL61...



C	1	5SL6101-7	12
C	2	5SL6102-7	12
C	4	5SL6104-7	12
C	6	5SL6106-7	12
C	10	5SL6110-7	12
C	16	5SL6116-7	12
C	20	5SL6120-7	12
C	25	5SL6125-7	12
C	32	5SL6132-7	12
C	40	5SL6140-7	12
C	50	5SL6150-7	12
C	63	5SL6163-7	12

Two phase circuit breakers with auxiliary

Fuse Curve C



5SL62...



C	1	5SL6201-7	6
C	2	5SL6202-7	6
C	4	5SL6204-7	6
C	6	5SL6206-7	6
C	10	5SL6210-7	6
C	16	5SL6216-7	6
C	20	5SL6220-7	6
C	25	5SL6225-7	6
C	32	5SL6232-7	6
C	40	5SL6240-7	6
C	50	5SL6250-7	6
C	63	5SL6263-7	6

Three phase circuit breakers with auxiliary

Fuse Curve C



5SL63...



C	1	5SL6301-7	4
C	2	5SL6302-7	4
C	4	5SL6304-7	4
C	6	5SL6306-7	4
C	10	5SL6310-7	4
C	16	5SL6316-7	4
C	20	5SL6320-7	4
C	25	5SL6325-7	4
C	32	5SL6332-7	4
C	40	5SL6340-7	4
C	50	5SL6350-7	4
C	63	5SL6363-7	4

Contactor



Size S00



Size S2



Size S3



Size S12



Size S14

Size	Rated Power (kW)	Rated Current AC-3 (A)	Current I _e AC-1 (A)	AUX Contact NO NC	Order Number
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SIRIUS 3RT2 CONTACTOR (Bobin 230V AC)

Size : S00

3	7	18	1	-	3RT2015-1AP01
3	7	18	-	1	3RT2015-1AP02
4	9	22	1	-	3RT2016-1AP01
4	9	22	-	1	3RT2016-1AP02
5.5	12	22	1	-	3RT2017-1AP01
5.5	12	22	-	1	3RT2017-1AP02
7.5	16	22	1	-	3RT2018-1AP01
7.5	16	22	-	1	3RT2018-1AP02

Size : S0

4	9	40	1	1	3RT2023-1AP00
5.5	12	40	1	1	3RT2024-1AP00
7.5	17	40	1	1	3RT2025-1AP00
11	25	40	1	1	3RT2026-1AP00
15	32	50	1	1	3RT2027-1AP00
18.5	38	50	1	1	3RT2028-1AP00

Size : S2

18.5	41	60	1	1	3RT2035-1AP00
22	51	70	1	1	3RT2036-1AP00
30	65	80	1	1	3RT2037-1AP00
37	80	90	1	1	3RT2038-1AP00

Size : S3

37	80	125	1	1	3RT2045-1AP00
45	95	130	1	1	3RT2046-1AP00
55	110	130	1	1	3RT2047-1AP00

توجه: در صورتی که ولتاژ متفاوتی در کنتاکتورها مورد نظر باشد، در ارقام یازدهم شماره سفارش، به جای P8، برای 24V AC، B0 و برای 110V AC، F0 قرار میگیرد.

SIRIUS 3RT1 CONTACTOR (Bobin 230V AC /DC)

Size : S6

55	115	160	2	2	3RT1054-1AP36
75	150	185	2	2	3RT1055-6AP36
90	185	215	2	2	3RT1056-6AP36

Size : S10

110	225	275	2	2	3RT1064-6AP36
132	265	330	2	2	3RT1065-6AP36
160	300	330	2	2	3RT1066-6AP36

Size : S12

200	400	430	2	2	3RT1075-6AP36
250	500	610	2	2	3RT1076-6AP36

3TF6 CONTACTOR (Bobin 230V AC)

Size : S14

335	630	700	4	4	3TF6844-0CM7
-----	-----	-----	---	---	--------------

Size : S14

450	820	910	4	4	3TF6944-0CM7
-----	-----	-----	---	---	--------------

335	630	700	3	3	3TF6833-1QL7
-----	-----	-----	---	---	--------------

برای کاربردهای دارای فرکانس متغیر

Contactor



Size S0

Size	Rated Power (kW)	Rated Current AC-3 (A)	Current I _e AC-1 (A)	AUX Contact NO NC	Order Number
SIRIUS DC BOBIN CONTACTOR (Bobin 24V DC)					
Size : S00	3	7	18	1 -	3RT2015-1BB41
	3	7	18	- 1	3RT2015-1BB42
	4	9	22	1 -	3RT2016-1BB41
	4	9	22	- 1	3RT2016-1BB42
	5.5	12	22	1 -	3RT2017-1BB41
	5.5	12	22	- 1	3RT2017-1BB42
Size : S0	7.5	16	22	1 -	3RT2018-1BB41
	7.5	16	22	- 1	3RT2018-1BB42
	4	9	40	1 1	3RT2023-1BB40
	5.5	12	40	1 1	3RT2024-1BB40
	7.5	17	40	1 1	3RT2025-1BB40
	11	25	40	1 1	3RT2026-1BB40
	15	32	50	1 1	3RT2027-1BB40
	18.5	38	50	1 1	3RT2028-1BB40

توجه : در صورتی که ولتاژ متفاوتی در کنتاکتورها مورد نظر باشد ، در ارقام یازدهم شماره سفارش .
به جای B4 - برای 110V DC کد F4 و برای 48V DC کد W4 قرار میگیرد.



Size S2

مجهز به ریستور داخلی

SIRIUS AC/DC BOBIN CONTACTOR (bobin 20-33V AC / DC)					
Size : S2	18.5	41	60	1 1	3RT2035-1NB30
	22	51	70	1 1	3RT2036-1NB30
	30	65	80	1 1	3RT2037-1NB30
	37	80	90	1 1	3RT2038-1NB30
Size : S3	37	80	125	1 1	3RT2045-1NB30
	45	95	130	1 1	3RT2046-1NB30
	55	110	130	1 1	3RT2047-1NB30

در دسته های کاری AC-2 و AC-3 مطابق با استاندارد IEC 60947-4-1 توان نامی مربوط به موتور آسنکرون در ولتاژ 400 ولت و فرکانس 50 هرتز تعیین می گردد.
چریان نامی (I_e) در دسته ی کاری AC-1 ، در دمای محیطی معادل ۴۰ درجه سانتی گراد ، حداکثر جریان قابل تحمل برای کنتاکت ها است که امکان قطع و وصل آن تا ولتاژ کاری 690 ولت AC فراهم می باشد

COIL (V)	CONTACT NO NC	CURRENT (AC-12)	Order Number
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SIRIUS 3RH RELAY CONTACTOR**RELAY CONTACTOR SIZE S00**

3RH21..-

230 V AC	4NO	10A	3RH2140-1AP00
	3NO-1NC		3RH2131-1AP00
	2NO+2NC		3RH2122-1AP00
24 V DC	4NO	10A	3RH2140-1BB40
	3NO-1NC		3RH2131-1BB40
	2NO+2NC		3RH2122-1BB40
110 V AC	4NO	10A	3RH2140-1AF00
	3NO-1NC		3RH2131-1AF00
	2NO+2NC		3RH2122-1AF00
110 V DC	4NO	10A	3RH2140-1BF40
	3NO-1NC		3RH2131-1BF40
	2NO+2NC		3RH2122-1BF40
24 V AC	4NO	10A	3RH2140-1AB00
	3NO-1NC		3RH2131-1AB00
	2NO+2NC		3RH2122-1AB00

Contactor



3RH2911-1FA...

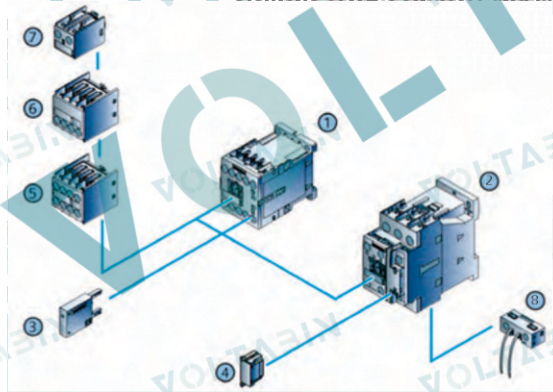
SIZE	CONTACT NO NC	Order Number
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AUXILIARY CONTACT BLOCKS

Type SIRIUS 3RT Contactors and Auxiliary Contactors

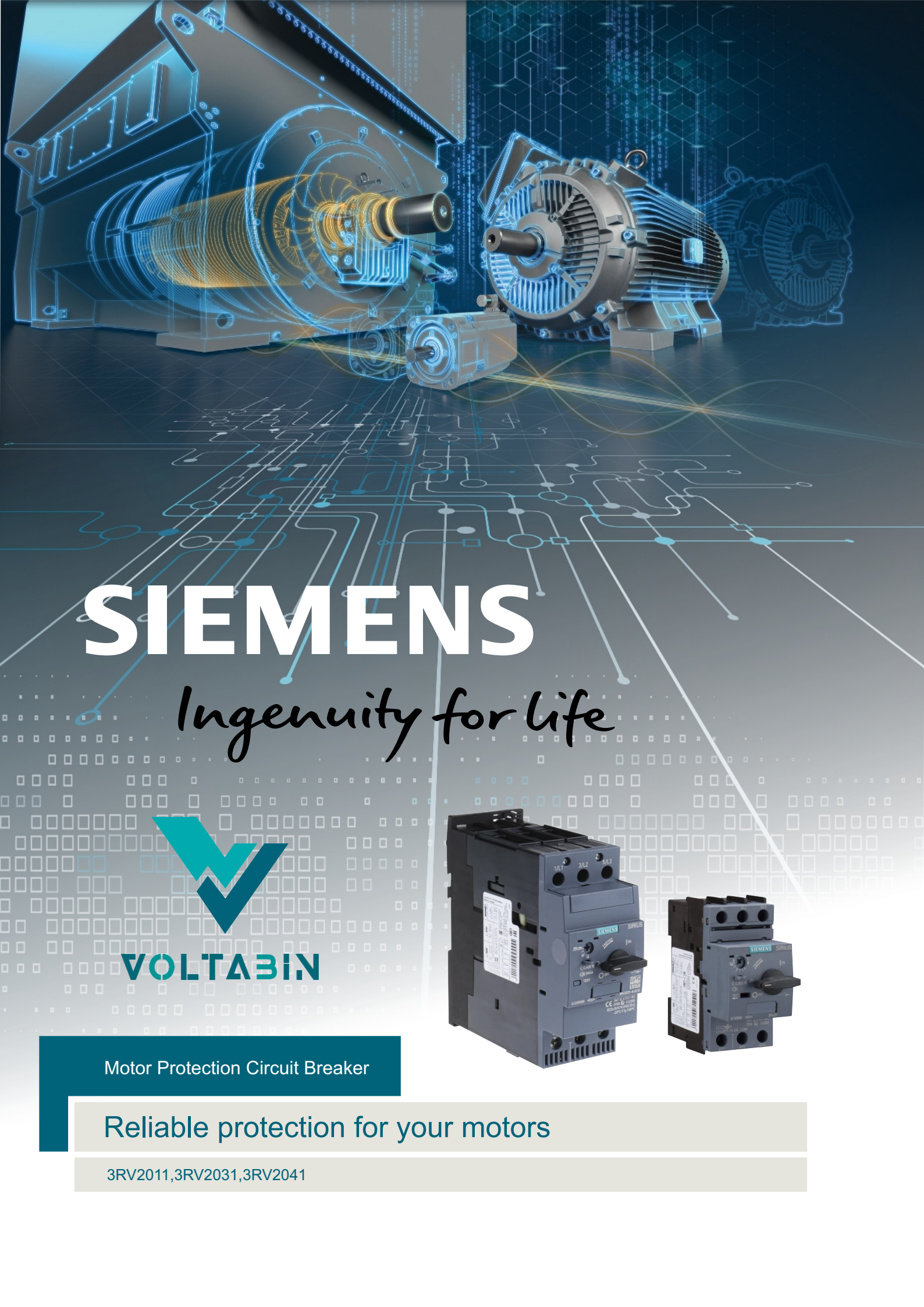
Size S00-S3	2NO+2NC	3RH2911-1FA22
Size S00-S3	4NO	3RH2911-1FA40
Size S00-S3	4NC	3RH2911-1FA04
Size S00-S3	1NO	3RH2911-1AA10
Size S00-S3	1NC	3RH2911-1AA01
Size S00-S3	1NO+1NC	3RH2911-1HA11
Size S00-S3	1NO+1NC	3RH2911-1LA11
Size S00-S3	2NO	3RH2911-1LA20
Size S00-S3	1NO+3NC	3RH2911-1HA13
Size S00-S3	3NO+1NC	3RH2911-1HA31
Size S00	2NO (Side mounted)	3RH2911-1DA20
Size S00	2NC (Side mounted)	3RH2911-1DA02
Size S00	1NO+1NC (Side mounted)	3RH2911-1DA11
Size S00-S3	1NO+1NC (Side mounted)	3RH2921-1DA11
Size S00-S3	2NO (Side mounted)	3RH2921-1DA20
Size S6-S12	1NO+1NC (Side mounted)	3RH1921-1DA11
Size S6-S12	1NO+1NC (Side mounted)	3RH1921-1EA11
Size S6-S12	2NO (Side mounted)	3RH1921-1EA20
Size S6-S12	1NO (Front mounted)	3RH1921-1CA10
Size S6-S12	1NC (Front mounted)	3RH1921-1CA01

Siemens 3RT2 Contactor and Mountable Accessories



Mountable Accessories

- ① Contactor Size S00
- ② Contactor Size S0
- ③ Low Voltage Release with/without LED, Size S00
- ④ Low Voltage Release with/without LED, Size S0
- ⑤ 4-pole Auxiliary Contact
- ⑥ 2-pole Auxiliary Contact
- ⑦ 1-pole Auxiliary Contact
- ⑧ Coil Connection Module



SIEMENS

Ingenuity for life



Motor Protection Circuit Breaker

Reliable protection for your motors

3RV2011, 3RV2031, 3RV2041

MPCB

Material Type	Short-Circuit Breaking Capacity (Icu)	SIZE	Thermal Adjustment Range (A)	Order Number
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SIRIUS 3RV Motor Protection Circuit Breakers



3RV2011-..



3RV2011-..



3RV2031-..



3RV2041-..

مناسب برای نصب داخل تابلو تا 60°C
میچیز به حفاظت حرارتی و حفاظت در برابر اتصال کوتاه
قابل نصب روی ریل استاندارد DIN rail

100kA	S00	0.22-0.32	3RV2011-0DA10
100kA		0.28-0.4	3RV2011-0EA10
100kA		0.35-0.5	3RV2011-0FA10
100kA		0.45-0.63	3RV2011-0GA10
100kA		0.55-0.8	3RV2011-0HA10
100kA		0.7-1	3RV2011-0JA10
100kA		0.9-1.25	3RV2011-0KA10
100kA		1.1-1.6	3RV2011-1AA10
100kA		1.4-2	3RV2011-1BA10
100kA		1.8-2.5	3RV2011-1CA10
100kA		2.2-3.2	3RV2011-1DA10
100kA		2.8-4	3RV2011-1EA10
100kA		3.5-5	3RV2011-1FA10
100kA		4.5-6.3	3RV2011-1GA10
100kA		5.5-8	3RV2011-1HA10
100kA		7-10	3RV2011-1JA10
100kA		9-12.5	3RV2011-1KA10
55kA		10-16	3RV2011-4AA10
55kA	S0	10-16	3RV2021-4AA10
55kA		13-20	3RV2021-4BA10
55kA		16-22	3RV2021-4CA10
55kA		18-25	3RV2021-4DA10
55kA		23-28	3RV2021-4EA10
55kA		27-32	3RV2021-4FA10
20kA		30-36	3RV2021-4GA10
20kA		34-40	3RV2021-4HA10
65kA	S2	32-40	3RV2031-4UA10
65kA		35-45	3RV2031-4VA10
65kA		42-52	3RV2031-4WA10
65kA		49-59	3RV2031-4XA10
65kA		54-65	3RV2031-4YA10
65kA		62-73	3RV2031-4ZA10
65kA		70-80	3RV2031-4AA10
65kA	S3	45-63	3RV2041-4JA10
65kA		57-75	3RV2041-4KA10
65kA		65-84	3RV2041-4LA10
65kA		75-93	3RV2041-4MA10
65kA		80-100	3RV2041-4NA10

یادداشت: برای خروجی‌های موتوری بالاتر از ۱۰۰ آمپر، می‌توان از کلیدهای حفاظتی موتور سری 3VA2 انتخاب نمود.



3RV2901-1E



3RV2901-1A



3RV2921-5M



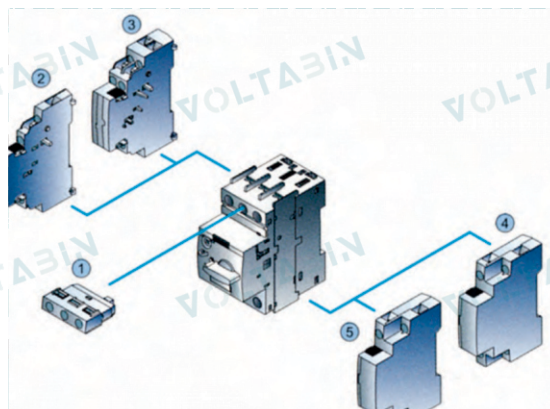
3RV2902-1AP0



3RV2926-1B

Material Type		Order Number
SIRIUS 3RV Motor Protection Circuit Breakers Accessories Mountable		
Auxiliary contact, top-mounted horizontal (1NO/0NC)*		3RV2901-1D
(1NO+1NC)		3RV2901-1E
Side-mounted with screws		(1NO+1NC) 3RV2901-1A
Side-mounted with screws		(2NO) 3RV2901-1B
Alarm switch for overload and short-circuit indication		3RV2921-1M
(2NO+2NC), wireless signal module		DC 24 V 3RV2921-5M
Undervoltage release coil		AC 230 V 3RV2902-1AP0
		DC 24 V 3RV2902-1AB4
Shunt trip coil		AC 210... 240 V 3RV2902-1DP0
		DC 24 V 3RV2902-1DB0
S00 Contactor – Interconnection piece for S00/S0 circuit breaker, AC/DC use		3RA1921-1DA00
S0 Contactor – Interconnection piece for S00/S0 circuit breaker, AC use		3RA2921-1AA00
S0 Contactor – Interconnection piece for S00/S0 circuit breaker, DC use		3RA2921-1BA00
S2 Contactor – Interconnection piece for S2 circuit breaker, AC/DC use		3RA2931-1AA00
S3 Contactor – Interconnection piece for S3 circuit breaker, AC/DC use		3RA1941-1AA00
Door drive mechanism 130 mm, black		3RV2926-1B
Door drive mechanism 130 mm, red / yellow		3RV2926-1C
Plastic enclosure box, 54 mm width, black		3RV1923-1CA00
Plastic enclosure box, 72 mm width, black		3RV1923-1DA00
Plastic enclosure box, 54 mm width, emergency stop		3RV1923-1FA00
Plastic enclosure box, 72 mm width, emergency stop		3RV1923-1GA00
Busbar connection piece for 5 breakers, 3-phase, size S00/S0, 45 mm		3RV1915-1DB
Busbar connection piece for 5 breakers, 3-phase, size S00/S0, 55 mm		3RV1915-2DB
Busbar connection piece for 4 breakers, 3-phase, size S2, 75 mm		3RV1935-3C
Busbar connection piece for 4 breakers, 3-phase, size S2, 55 mm		3RV1915-1AB
Busbar connection piece for 4 breakers, 3-phase, size S00–S0, 45 mm		3RV1935-1C
3-phase incoming terminal, size S00, S0		3RV2925-5AB
3-phase incoming terminal, size S2		3RV2935-5A
Protective cover, size S00, S0		3RV1915-6AB
Protective cover, size S2		3RV1935-6A

3RV2 Motor Protection Circuit Breaker and Mountable Accessories



Mountable Accessories

- ① Horizontally mounted auxiliary contact
- ② Side-mounted auxiliary contact
- ③ Side-mounted 4-contact auxiliary contact
- ④ Shunt trip relay
- ⑤ Undervoltage relay

Soft Starter



3RW55

Material Type	Motor Power (KW)	Rated Current (A)	Order Number
3RW55 SIRIUS DIGITAL SOFT STARTER			
Direct and Star-Delta Starting			
Rated Voltage 200-480 V	5,5 (11)	13 (22,5)	3RW5513-1HA14
Rated Voltage (V): 200-480	7,5 (15)	18 (31,5)	3RW5514-1HA14
	11 (18,5)	25 (43,3)	3RW5515-1HA14
Integrated Bypass Contactor	15 (22)	32 (55,4)	3RW5516-1HA14
	18,5 (30)	38 (65,8)	3RW5517-1HA14
Built-in Device Protection, Motor Overload Protection, and Status & Fault Notifications	22 (45)	47 (81,4)	3RW5524-1HA14
	30 (55)	63 (109)	3RW5525-1HA14
3 Phase Controlled	37 (75)	77 (133)	3RW5526-1HA14
ATEX/IECEx Certified	45 (90)	93 (161)	3RW5527-1HA14
	55 (110)	113 (196)	3RW5534-6HA14
Removable HMI with Color Display, Local Interface, Micro SD Card	75 (132)	143 (248)	3RW5535-6HA14
	90 (160)	171 (296)	3RW5536-6HA14
Automatic Parameterization	110 (200)	210 (364)	3RW5543-6HA14
Pump Stop and Torque Control	132 (250)	250 (433)	3RW5544-6HA14
	160 (315)	315 (546)	3RW5545-6HA14
Analog Output Profinet - Profibus - Modbus	200 (355)	370 (641)	3RW5546-6HA14
	250 (400)	470 (814)	3RW5547-6HA14
Communication Interface	315 (560)	570 (987)	3RW5548-6HA14
Suitable for General Motor Applications	355 (630)	630 (1091)	3RW5552-6HA14
IE3/IE4 ready	400 (710)	720 (1247)	3RW5553-6HA14
Suitable as a Replacement for the 3RW44 Series	450 (800)	840 (1454)	3RW5554-6HA14
	560 (1000)	1100 (1905)	3RW5556-6HA14
	710 (1200)	1280 (2217)	3RW5558-6HA14

3RW40,50 SIRIUS SOFT STARTER

Soft Starting with Direct Connection



3RW40..-1BB14



3RW50..-6AB14

	5,5	12,5	3RW4024-1BB14
Rated Voltage 200-460 V ($\pm 10\%$)	11	25	3RW4026-1BB14
Four Separate Adjustment Potentiometers	15	32	3RW4027-1BB14
1- Voltage Ramp Adjustment	18,5	38	3RW4028-1BB14
2- Current Limiting	22	45	3RW4036-1BB14
3- Stop Time Adjustment 0-20 s	30	63	3RW4037-1BB14
4- Start Time Adjustment	37	72	3RW4038-1BB14
Control Voltage 110-230 V AC/DC (up to 3RW4055)	45	80	3RW4046-1BB14
Integrated Bypass Contacts	55	106	3RW4047-1BB14
Rated Voltage: 200-480 V ($-15\% / +10\%$) Controlled from 2 Phases	75	143	3RW5055-6AB14
Four Adjustment Potentiometers:	90	171	3RW5056-6AB14
1-Voltage Ramp Adjustment	110	210	3RW5072-6AB14
2-Start Time Adjustment	132	250	3RW5073-6AB14
3-Current Limiting	160	315	3RW5074-6AB14
4-Stop Time Adjustment	200	370	3RW5075-6AB14
Control Voltage: AC 110-250 V integrated	250	470	3RW5076-6AB14
Bypass Contacts Integrated Thermal Protection	315	570	3RW5077-6AB14

Drive series V20



Material Type	Power Rated (KW)	Power Rated (HP)	Order Number
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Drive series V20 1AC 230V

Key Features:	0.12	1/6	6SL3210-5BB11-2UV1
Power range: 0.12 to 30 kW (1/6 to 40 hp)	0.25	1/3	6SL3210-5BB12-5UV1
	0.37	1/2	6SL3210-5BB13-7UV1
Voltage range: 200V–240V 380V–480V single phase or three-phase	0.55	3/4	6SL3210-5BB15-5UV1
	0.75	3/4	6SL3210-5BB17-5UV1
Control types: V/f and V ² /f control	0.75	1	6SL3210-5BB18-0UV1
	1.1	1–1/2	6SL3210-5BB21-1UV1
Built-in EMC filter (optional)	1.5	2	6SL3210-5BB21-5UV1
	2.2	3	6SL3210-5BB22-2UV1
Integrated braking chopper (from 7.5 kW and up)	3	4	6SL3210-5BB23-0UV1

EMC Standards

With integrated line filter category C2 ⁹⁾	A
Without integrated filter	U

Drive series V20 3AC 230V



Easy setup with built-in keypad and parameter cloning via SD card	0.37	1/2	6SL3210-5BE13-7UV0
Energy-efficient operation with automatic energy optimization✓	0.55	3/4	6SL3210-5BE15-5UV0
	0.75	1	6SL3210-5BE17-5UV0
Typical Applications:	1.1	1–1/2	6SL3210-5BE21-1UV0
Pumps, fans, compressors	1.5	2	6SL3210-5BE21-5UV0
Conveyors and mixers	2.2	3	6SL3210-5BE22-2UV0
Simple automation systems	3	4	6SL3210-5BE23-0UV0
	4	5	6SL3210-5BE24-0UV0
	5.5	7–1/2	6SL3210-5BE25-5UV0
	7.5	10	6SL3210-5BE27-5UV0
	11	15	6SL3210-5BE31-1UV0
	15	20	6SL3210-5BE31-5UV0
	18.5	25	6SL3210-5BE31-8UV0
	22	30	6SL3210-5BE32-2UV0

EMC Standards

With integrated line filter category C3 ⁷⁾	C
Without integrated filter	U

Drive series V20 Options

OPERATOR PANEL BOP 20	6SL3255-OVA00-4BA0
PARAMETER LOADER	6SL3255-OVE00-0UA1
BOP INTERFACE	6SL3255-OVA00-2AA1
V20 BRAKE MODULE	6SL3201-2AD20-8VA0

3VA10-3VA26 Coding System

		3VA		4	5	6	7	8	9	10	11	12	0AA0	
Protection Unit	Thermal Magnetic			1										
	Electronics			2										
Size (Case Type)	100 A			0										
	160 A			1										
	250 A			2										
	400 A			3										
	630 A			4										
	1200 A			5										
1250 A			6											
		3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25	3VA26	
Rated Current	8 A	■	-	-	-	-	-	-	-	-	-	-	-	0 8
	12.5 A	■	-	-	-	-	-	-	-	-	-	-	-	9 2
	16 A	■	-	-	-	-	-	-	-	-	-	-	-	9 6
	20 A	■	-	-	-	-	-	-	-	-	-	-	-	2 0
	25 A	■	-	-	-	-	-	-	-	-	-	-	-	2 5
	32 A	■	-	-	-	-	-	-	-	-	-	-	-	3 2
	40 A	■	-	-	-	-	■	■	-	-	-	-	-	4 0
	50 A	■	-	-	-	-	-	-	-	-	-	-	-	5 0
	63 A	■	-	-	-	-	■	■	-	-	-	-	-	6 3
	80 A	■	-	-	-	-	-	-	-	-	-	-	-	8 0
	100 A	■	-	-	-	-	■	■	-	-	-	-	-	1 0
	125 A	■	-	-	-	-	-	-	-	-	-	-	-	1 2
	160 A	■	■	-	-	-	-	■	■	-	-	-	-	1 6
	200 A	-	■	-	-	-	-	-	-	-	-	-	-	2 0
	250 A	-	■	■	-	-	-	■	■	-	-	-	-	2 5
	320 A	-	-	■	-	-	-	-	-	-	-	-	-	3 2
	400 A	-	-	■	■	-	-	-	■	■	-	-	-	4 0
	500 A	-	-	-	■	-	-	-	-	■	■	-	-	5 0
	630 A	-	-	-	■	■	-	-	-	■	■	-	-	6 3
	800 A	-	-	-	-	■	-	-	-	-	■	-	-	8 0
	1000 A	-	-	-	-	■	-	-	-	-	-	■	-	1 0
	1250 A	-	-	-	-	-	-	-	-	-	-	■	-	1 2
		3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25	3VA26	
Short Circuit Breaking Capacity I _{cu} =I _{cs} , 380...415V	Without Overload and Short Circuit Protection	■	■	■	■	-	-	-	-	-	-	-	-	1
	16 kA	-	-	-	-	-	-	-	-	-	-	-	-	2
	25 kA	■	-	-	-	-	-	-	-	-	-	-	-	3
	36 kA	■	■	■	■	-	-	-	-	■	■	-	-	4
	55 kA	■	■	■	■	■	■	■	■	■	■	■	-	5
	70 kA	■	■	■	■	■	-	-	-	-	-	-	-	6
	85 kA	-	-	-	-	-	■	■	■	■	■	■	■	6
	110 kA	-	-	■	■	■	■	■	■	■	■	■	■	7
	150 kA	-	-	-	-	-	■	■	■	-	-	-	-	8
		-	-	-	-	-	-	■	■	■	■	-	-	9

MCCB CONFIGURATION

		3VA	4	5	6	7	8	9	10	11	12	—	0AA0					
		3VA11	3VA12	3VA13	3VA14	3VA15	3VA20	3VA21	3VA22	3VA23	3VA24	3VA25	3VA26					
Thermal Magnetic Protectio	Unprotected	■	■	■	■	—	—	—	—	—	—	—	—	SD100	—	A		
	Line Protection	■	■	■	■	■	■	■	■	■	■	■	■	TM210	FTFM	D		
		■	■	■	■	■	■	■	■	■	■	■	■	TM220	ATFM	E		
		■	■	■	■	■	■	■	■	■	■	■	■	TM240	ATAM	F		
	Starter Protection	■	■	■	■	■	■	■	■	■	■	■	■	TM110M	FM	G		
■		■	■	■	■	■	■	■	■	■	■	■	TM120M	AM	H			
Neutral Conductor Protection (Thermal	Unprotected													A				
	Line Protection	Neutral Conductor Unprotected												E				
		50% Neutral Conductor Protection												F				
		100% Neutral Conductor Protection												G				
	Starter Protection	Neutral Conductor Unprotected												M				
Electronic Protection	Line Protection	3VA11	—	—	—	—	■	■	■	■	■	■	■	ETU340	ELISA LI	H	K	
		3VA12	—	—	—	—	■	■	■	■	■	■	■	ETU320	LI	H	L	
		3VA13	—	—	—	—	■	■	■	■	■	■	■	ETU330	LIG	H	M	
	Line and Generator Protection	3VA14	—	—	—	—	■	■	■	■	■	■	■	■	ETU350	LSI	H	N
		3VA15	—	—	—	—	■	■	■	■	■	■	■	■	■	■	■	
	Line and Generator Protection Protection	3VA20	—	—	—	—	■	■	■	■	■	■	■	■	ETU550	LSI	J	P
		3VA21	—	—	—	—	■	■	■	■	■	■	■	■	ETU560	LSIG	J	Q
	Line and Generator Protection Protection with Display Energy Data Collection Feature	3VA22	—	—	—	—	■	■	■	■	■	■	■	■	ETU850	LSI	K	P
		3VA23	—	—	—	—	■	■	■	■	■	■	■	■	ETU860M	LSIG	K	Q
	Motor Protection	3VA24	—	—	—	—	■	■	■	■	■	■	■	■	ETU350M	LSI	M	N
		3VA25	—	—	—	—	■	■	■	■	■	■	■	■	■	■	■	
	Motor Protection with Display	3VA26	—	—	—	—	■	■	■	■	■	■	■	■	ETU550M	LSI	M	P
		—	—	—	—	—	■	■	■	■	■	■	■	■	ETU860M	LSIG	M	Q
Motor Protection, Screened, Energy Data Acquisition Feature	—	—	—	—	—	■	■	■	■	■	■	■	■	ETU310M	I	M	S	
Protection, Screened	—	—	—	—	—	■	■	■	■	■	■	■	■	■	■	■		
Number of Poles	1 Polarized	3VA11	■	■	■	■	■	■	■	■	■	■	■				1	
	2 Polarized	3VA12	■	■	■	■	■	■	■	■	■	■	■				2	
	3 Polarized	3VA13	■	■	■	■	■	■	■	■	■	■	■				3	
	4 Polarized	3VA14	■	■	■	■	■	■	■	■	■	■	■				4	
Connection Type	Busbar Connection with AdapterBlock Terminal Connected	3VA11	■	■	■	■	■	■	■	■	■	■	■				2	
		3VA12	■	■	■	■	■	■	■	■	■	■	■				6	

STSM (Fixed Thermal Fixed Magnetic): Thermal and Magnetic

UnadjustedATSM (Adjustable Thermal Fixed Magnetic): Thermal

Adjustable and Magnetic UnadjustedATAM (Adjustable Thermal

Adjustable Magnetic): Thermal Adjustable and Magnetic AdjustableSM

(Fixed Magnetic): No Thermal Protection, Magnetic UnadjustedAM

(Adjustable Magnetic): No Thermal Protection, Magnetic Adjustable

3VM Type I Compact Circuit Breakers

COMPACT POWER CIRCUIT BREAKERS FOR LINE PROTECTION

3-Pole Compact Circuit Breakers (according to IEC60947-2 standard)

3VM10 type compact breakers Icu = 25/36kA (380-415VAC / 50/60Hz)

3VM11 and 3VM12 type compact breakers Icu = 25/36kA (380-415VAC / 50/60Hz)

Type	Rated Current n(A)	Thermal Setting Area IR(A)	Magnetic Adjustment Range li(A)	Protecti on Unit Type	Order Number	Breaking Capacity (kA)
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3 Equipped with pole-adjustable thermal and fixed magnetic protection units

	3VM11	16	11 ... 16	320	TM220	3VM1196-3EE32-0AA0	25
		20	14 ... 20	320	TM220	3VM1120-3EE32-0AA0	25
		25	18 ... 25	320	TM220	3VM1125-3EE32-0AA0	25
		32	22 ... 32	320	TM220	3VM1132-3EE32-0AA0	25
		40	28 ... 40	400	TM220	3VM1140-3EE32-0AA0	25
		50	35 ... 50	500	TM220	3VM1150-3EE32-0AA0	25
		63	44 ... 63	630	TM220	3VM1163-3EE32-0AA0	25
		80	56 ... 80	800	TM220	3VM1180-3EE32-0AA0	25
	TM220	100	70 ... 100	1000	TM220	3VM1110-3EE32-0AA0	25
		125	88 ... 125	1250	TM220	3VM1112-3EE32-0AA0	25
		160	112 ... 160	1600	TM220	3VM1116-3EE32-0AA0	25
	3VM12	200	140 ... 200	2000	TM220	3VM1220-3EE32-0AA0	25
		250	175 ... 250	2500	TM220	3VM1225-3EE32-0AA0	25
	3VM13	320	220 ... 320	3200	TM220	3VM1332-4EE32-0AA0	36
		400	280 ... 400	4000	TM220	3VM1340-4EE32-0AA0	36
	3VM14	500	350 ... 500	5000	TM220	3VM1450-4EE32-0AA0	36
		630	440 ... 630	6300	TM220	3VM1463-4EE32-0AA0	36

3 Equipped with pole-fixed thermal and fixed magnetic protection units

Version	Type of Power Circuit Breaker			Order Number
	3VM10 3VM11	3VM12	3VM13 3VM14	

INTERNAL ACCESSORIES

AUX - Auxiliary contact (1 reversing contact)

240VAC(50Hz)/250VDC	✓	✓	✓	3VM9988-0AA12
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TAS - Trip or alarm contact (1 reversing contact)

240VAC(50Hz)/250VDC	✓	✓	✓	3VM9988-0AB12
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UVR - Undervoltage Release Coil

110VAC (50/60Hz)	✓	✓	✓	3VM9908-0BB23
208...230VAC(50/60Hz)	✓	✓	✓	3VM9908-0BB25

STL - Trip Coil for Left Block

110...127 VAC(50/60Hz)/110...127VDC	✓	✓	✓	3VM9908-0BL32
208...277VAC(50/60Hz)/220... 250VDC	✓	✓	✓	3VM9908-0BL33

✓	--	--	3VM9117-0FK21
--	✓	--	3VM9217-0FK21
--	--	✓	3VM9417-0FK21



3VM9988-0AA12



3VM9988-0AB12



3VM9908-0BB23



3VM9908-0BL32



3VM9217-0FK21

For different current and Icu values of our 3VM Compact Type Circuit Breakers, please contact our sales offices

Coding Systematics

3WA1

Coding Systematics				3WA1	5	6	7	8	9	10	11	12	13	14	15	16	
Size	1				1												
	2				2												
	3				3												
			SZ 1	SZ 2	SZ 3												
Maximum Nominal Current (Maximum Nominal Current)	630 A		■	-	-		0	6									
	800 A		■	-	-		0	8									
	1000 A		■	-	-		1	0									
	1250 A		■	-	-		1	2									
	1600 A		■	-	-		1	6									
	2000 A		■	■			2	0									
	2500 A		■	■			2	5									
	3200 A		-	■			3	2									
	4000 A			■	■		4	0									
	5000 A		-		■		5	0									
6300 A			-	■		6	3										
Short Circuit Breaking Capacity Icu 500V / 690V	N	55/42 kA	■	-	-				2								
	S	66/50 kA	■	■					3								
	M	85/66 kA	■	■	-				4								
	H	100/85 kA	-	■	■				5								
	C	130/100 kA	-	■					6								
	3-POLE: 150/150 kA 4-POLE: 130/130 kA		-	-	■				6								
Non-automatic open type switch										A	A						
Non-automatic open type switch, communication infrastructure available, ready4COM										C	A						
Measurement and protection functions for applications with Electronic Trip Unit	Electronic Trip Unit ETU300	LSI LSIG							A	B							
		Current Measurement							A	C							
	Electronic Trip Unit ETU600	Current Measurement, ready4COM Feature							A								
		PMF-I	Voltage Connection from Top						L								
		Energy Efficiency	Voltage Connection from Top						E								
		PMF-II	Voltage Connection from Top						M								
		Energy Monitoring	Voltage Connection from Top						F								
		PMF-III	Voltage Connection from Top						N								
		Advanced Energy Monitoring	Voltage Connection from Bottom						G								
With Electronic Trip Unit ETU600 Application-oriented measurement and protection functions	Protection Unit		■	■	■	LSI LSIG			E								
			■	■	■	LSIG Hi-Z			F								
			-	■	■				G								
Kutup Sayısı	Fixed Type Switch							3 POLE			0						
	Withdrawable							4 POLE			1						
	(Drawer) Type Switch							3 POLE			3						
		Without Position Signal						4 POLE			4						
								3 POLE			6						
		With Position Signal						4 POLE			7						
				SZ 1	SZ 2	SZ 3											
				■	■	■	Vertical Connection				1						
Connection Type	Fixed Type		■	■	■	Horizontal Connection					2						
			■	■	■	Front Connection					3						
			■	■	■	Top Vertical / Bottom Horizontal Connection					5						
			■	■	■	Top Horizontal / Bottom Vertical Connection					6						
			■	■	■	Non-Withdrawable Connection					0						
			■	■	■	Vertical Connection					1						
	Withdrawable (Drawer) Type		■	■	■	Horizontal Connection					2						
			■	■	■	Front Connection					3						
			■	■	■	Flanged Connection					4						
			■	■	■	Top Vertical / Bottom Horizontal Connection					5						
			■	■	■	Top Horizontal / Bottom Vertical Connection					6						
			■	■	■	Top Flanged / Bottom Horizontal Connection					7						
			■	■	■	Top Horizontal / Bottom Flanged Connection					8						

¹⁾ The 4000 A horizontal connection dimensions of the 3WA1 switch are not the same as those of the 3WL1.

²⁾ Not valid for 2500 A.

³⁾ Not valid for 4000 A. Ask ChatGPT

⁴⁾ Not valid for 6300 A.

⁵⁾ Not valid for 4000 A and type C short circuit breaking capacity.

⁶⁾ Not valid for 5000 A / 6300 A type short circuit breaking capacity.

			5	6	7	8	9	10	11	12	13	14	15	16	
3WA1															
Starting motor, auxiliary contacts	Pre-tensioned spring, manual drive	Manual spring winding	2 NO, 2 NC									0			
			4 NO, 4 NC									1			
	Spring winding with motor	DC 24 ... 30 V	2 NO, 2 NC									2			
			4 NO, 4 NC									5			
		DC 48 ... 60 V	4 NO, 4 NC									6			
		AC 110 ... 127 V /	2 NO, 2 NC									3			
		DC 110 ... 125 V	4 NO, 4 NC									7			
		AC 208 ... 240 V /	2 NO, 2 NC									4			
DC 220 ... 250 V	4 NO, 4 NC									8					
Shut-off coil Remote trip alarm reset coil 1)	Shut-off Coil: Not included	Remote Trip Alarm Reset Coil: Not included										A			
		Remote Trip Alarm Reset Coil: Not included	DC 24 ... 30 V												B
			DC 48 ... 60 V												C
			AC 110 ... 127 V / DC 110 ... 125 V												D
			AC 208 ... 240 V / DC 220 ... 250 V												E
	1) Remote trip alarm reset coil is not suitable for non-automatic circuit breakers.	Remote Trip Alarm With Reset Coil (RR) (Designed for momentary power application)	DC 24 ... 30 V												F
			DC 48 ... 60 V												G
			AC 110 ... 127 V / DC 110 ... 125 V												H
			AC 208 ... 240 V / DC 220 ... 250 V												J
2nd Auxiliary Relay	With Trip Coil (ST)	None										A			
		DC 24 ... 30 V										B			
		DC 48 ... 60 V										C			
		AC 110 ... 127 V / DC 110 ... 125 V										D			
		AC 208 ... 240 V / DC 220 ... 250 V										E			
	Undervoltage Relay (UVR),Instantaneous (≤ 0.08 s), Short Delay (≤ 0.2 s)	DC 24 ... 30 V										L			
		DC 48 ... 60 V										N			
		AC 110 ... 127 V / DC 110 ... 125 V										P			
		AC 208 ... 240 V / DC 220 ... 250 V										Q			
		AC 380 ... 415 V R										R			
	Undervoltage Relay (UVR-t),Adjustable delay between 0.2 s and 3.2 s.	DC 48 V										S			
		DC 60 V										T			
		AC 110 ... 127 V / DC 110 ... 125 V										U			
		AC 208 ... 240 V / DC 220 ... 250 V										V			
		AC 380 ... 415 V										W			
1st Auxiliary Relay	With Trip Coil (ST/ST-COM)	None										0			
		DC 24 ... 30 V										1			
		DC 48 ... 60 V										2			
		AC 110 ... 127 V / DC 110 ... 125 V										3			
		AC 208 ... 240 V / DC 220 ... 250 V										4			



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