socomec
Innovative Power Solutions

ایمن اتصال آسیا

Load break switches

Manually operated switches

SIRCO M • From 16 to 125 A • 3, 4, 6 or 8 poles		SIRCM 132 A
SIRCO MV • From 100 to 160 A • 3 or 4 poles		SIRCM 099 A
SIRCO • From 125 to 5000 A • 3, 4, 6, 8, 9 or 12 poles • Direct operation or external front or side operation		SIRCO456 a
SIRCO AC • From 200 to 4000 A • 690 VAC - AC 23		SIRCO AC 001 a
SIDER • From 125 to 3150 A • 3 or 4 poles (N poles for SIDER ND) • Visible breaking switch		SIDER 089 a
SIRCO MV • From 100 to 160 A • 3 or 4 poles • Visible breaking switch		SIRCM 099 A
IDE • From 32 to 160 A • 3 or 4 poles • Tripping load break switch		IDE 021 A
SIDERMAT • From 250 to 1800 A • 3 or 4 poles • Direct operation or external front or side operation •Tripping load break switches		SDMAT 066 A
SIRCO MOT AT M • From 40 to 160 A • 4 poles • Motorized operation switch		simot 010 a

SIRCO MOT AT

- From 125 to 3200 A
- 3 or 4 poles
- Motorized operation switch

Sirco 310 B

Fuse protection

FUSERBLOC

- From 25 to 1250 A
- 2, 3 or 4 poles
- Direct operation or external front or side operation
- Rear connections
- Fuse switches

fuser 532 A fuser 539 A
fuser 548 B

FUSOMAT

- From 250 to 1250 A
- 3 or 4 poles
- Multi-standard IEC, NF, DIN, BS and UR fuses
- Direct operation or external front or side operation
- Tripping via a shunt trip or under voltage coil
- Visible breaking and tripping fuse switch

FUSOM 063

SIDERMAT combination

- Visible breaking
- From 630 to 1800 A
- 3 or 4 poles
- IEC, NF and DIN fuses
- Direct operation or external front or side operation
- Visible breaking and tripping fuse switch

sdmat 004 a

FUSERBLOC UR

- UR fuses from 10 to 2000 A
- 2, 3 or 4 poles
- Direct operation or external front or side operation
- Fuse switches to protect power semi-conductors

fuser 437 A

UL / CSA range **FUSERBLOC** • Fuses from 30 to 800 A • 2, 3 or 4 poles • CC, J, K fuses • Direct operation or external front or side operation • “Flange” type handle • Accessories for compliance with the modifications to the standard UL 508 A and NFPA 79		**FUSER-UL 005 A**
Pre-charge fuse switches **FUSERBLOC Live Maintenance DC** • From 63 to 1600 A • DIN 43620 UR fuses		**fuser-lm 002 A**
Fuses **gG and AM FUSES** • From 0.16 to 125 A in sizes 10 x 38, 14 x 51 and 22 x 58 • From 6 to 1250 A in sizes T000, T00, T0, T1, T2, T3 and T4 • 500 or 690 VAC • With or without striker		**fusiB 114 B** **fusIB 116 B**
Fuses **BS FUSES** • From 2 to 1250 A, in sizes F1 to F2, A1 to A4, B1 to B4, C1 to C3, D1 • 415, 550 or 660 VAC		**ffusIB 134 A**
Fuses **UR FUSES** • From 10 to 2000 A, in sizes 14 x 51, 22 x58, 0000, 000, 00, 0, 1, 1*, 2, 3 • 690 or 1250 VAC • With or without striker **M FUSES** • From 1250 A to 3200 A		**fuseIB 105 B**

Fuse dis-connectors and bases RM / RMS • From 1 to 100 A, in sizes 10 x 38, 14 x 51, 22 x 58 • 1 to 4 poles • With or without signalization on RMS version (14 x 51 and 22 x 58) and locking cradle on RMSC version (14 x 51) Fuse bases • From 160 to 2500 A, in sizes 00, 0, 1, 2, 3, 4 • 1, 2, 3 or 4 poles • With or without signalization • IP2 from 160 to 630 A		**RM 060 C** **RM 062 C** **070 A base**

Changeover switches

Manual changeover switches COMO C • From 25 to 100 A • 3 or 4 poles • Positions: I / II, I / 0 / II, I / I+II / II		**COMO 108 A**
Manual changeover switches SIRCO M changeover switches • From 25 to 125 A • 3 or 4 poles • Positions: I / 0 / II		**SIRCM 124 A**
Manual changeover switches SIRCO VM1 changeover switches • From 63 to 125 A • 3 or 4 poles • Positions: I / 0 / II, I / I+II / II		**COMUT 004 B**
Manual changeover switches SIRCOVER • From 125 to 3200 A • 3 or 4 poles • Positions: I / 0 / II, I / I+II / II		**Svr 107 a**
Manual bypass changeover switches COMO C bypass • From 25 to 100 A • 3+6 or 4+8 poles • Positions: I / 0 / II		**COMO 108 A**
Manual bypass changeover switches SIRCOVER Bypass • From 125 to 1600 A • 3+6 or 4+8 poles		**Svr 059 A**

Manual bypass changeover switches SIRCOVER ATS bypass • From 125 to 1600 A • 12+4 poles • Positions: I / 0 / II		SvR 133 A
Remote motorised changeover switches ATyS M 3 • From 40 to 160 A • 2 or 4 poles • External control command		ATYSM 214 A
Remote motorised changeover switches ATyS S & ATyS Sd • From 40 to 125 A • 4 poles • ATyS Sd: Integrated Dual supply (DPS) • DC versions available		ATYS S 018 A
Remote motorised changeover switches ATyS & ATyS d • From 125 to 3200 A • ATyS d: Integrated Dual supply (DPS)		ATYS D 001 a
Automatic motorised changeover switches ATyS M6s & ATyS M6e • From 40 to 160 A • 2 or 4 poles • Integrated control command • ATyS M6e: with communication options		A ATYSM 007
Automatic motorized changeover switches ATyS p, g & t • From 125 to 3200 A • ATyS p: transformer / generating set application, model with energy management functions, communication options and integrated web server • ATyS t: transformer / transformer application • ATyS g: transformer / gen set application		atys p 001 B

Electronic protection

Earth leakage relays RESYS M40 / RESYS M40R RESYS P40 • Type A • Modular or flush-mounted unit		resys 083 A resys 081 A
Core balance transformers Circular closed core balance transformers (ΔIC) • Diameter from 15 to 300 mm • Different fixing types • Patented cable locator Rectangular closed transformers Rectangular split-core transformers		TORE 016 A TORE 046 A TORE 015 A
Protection against overvoltages SURGYS G100-F / G140-F / G40-FE / G50-FE • Surge protection at the top of low voltage installations		sgys 054 B sgys 090 A
Protection against overvoltages SURGYS G70 / D40 / E10 • Surge protection for distribution and equipment protection		sgys 070 A sgys 069 A
Protection against over voltages SURGYS RS-3 / mA-3 / TEL-3 • Low current surge protection to protect equipment connected to telecommunication and data transmission networks • Available in 1 or 2-pair versions		sgys 093 B

Energy management and measurement

Active and reactive energy meters

Single-phase kWh meter

COUNTIS E00, E02, E03 & E04

- Connection up to 32 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output
- E02: MID EN50470 certified B+D class B
- E03: Modbus protocol RS485 communication
- E04: MID EN50470 certified B+D modules, Modbus protocol RS485 communication

COUNT 174 B
COUNT 215 A

COUNTIS E10, E11, E12, E13, E14, E15 & E16

- Connection 63 A and 80 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output
- E11: dual tariff
- E12: MID EN50470 certified B+D class B modules
- E13: Modbus protocol RS485 communication
- E14: MID EN50470 certified B+D modules, Modbus protocol RS485 communication
- E15: RS485 M-BUS protocol communication
- E16: MID EN50470 certified B+D modules, M-BUS protocol RS485 communication

COUNT 178 B

COUNT 216 A

COUNTIS E20, E21, E23, E24, E25 & E26

- Connection up to 63 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output
- E21: dual tariff
- E23: Modbus protocol RS485 communication
- E24: MID EN50470 certified B+D modules, Modbus protocol RS485 communication
- E25: RS485 M-BUS protocol communication
- E26: MID EN50470 certified B+D modules, M-BUS protocol RS485 communication

COUNT 177 B

COUNTIS E30, E31, E32, E33, E34, E35 & E36

- Connection up to 100 A
- Class 1 in accordance with IEC 62053-21
- 1 pulse output (except E33 and E34)
- E31: dual tariff
- E32: MID EN50470 certified B+D class B modules
- E33: Modbus protocol RS485 communication, 4 tariffs
- E34: MID EN50470 certified B+D class B modules, Modbus protocol RS485 communication, 4 tariffs
- E35: M-BUS protocol communication, 4 tariffs
- E36: MID certified, M-BUS protocol communication, 4 tariffs

COUNT 219 A
COUNT 179 B

COUNTIS E40, E41, E42, E43, E44, 45 & 46

- Connection via 5 A CT up to 6000 A
- Display of kWh and kVArh
- Class 1 in accordance with IEC 62053-21
- 1 pulse output (except for E43 and E44)
- E41: dual tariff
- E42: MID EN50470 certified B+D class C modules
- E43: Modbus protocol RS485 communication, 4 tariffs
- E44: MID EN50470 certified B+D class C modules, Modbus protocol RS485 communication, RS485 4 tariffs
- E45: M-BUS protocol RS485 communication, 4 tariffs
- E46: MID EN50470 certified B+D class C modules, M-BUS protocol RS485 communication, RS485 4 tariffs

COUNT 195 A
COUNT 218 A

COUNTIS E50 & E53

- Connection via 5 A CT up to 6000 A
- Display of 3I, 3U, 3V, F, kW, kVAh, kVA, PF
- Display of ±kWh, ±kVArh and kVAh
- Class 0.5s in accordance with IEC 62053-22
- 1 pulse output (E53 as an option)
- E53: Modbus protocol RS485 communication, 4 tariffs

COUNT 196 A

COUNTIS E63 • 3 independent inputs in direct connection up to 100 A • Class 1 in accordance with IEC 62053-21 • Modbus protocol RS485 communication • 4 tariffs		**COUNT 201 A**
Multi-utility concentrators **COUNTIS ECi2 & ECi3** • Up to 9 multi-utility meters: 7 logical inputs + 2 analogue inputs • Available load curves for each of the 9 inputs • Monthly consumption and 10 min average powers stored for 170 days • RS485 communication through Modbus protocol • Maximum customisation (choice of the metering unit, currency, etc.)		**COUNT 207 A**
Multifunction measurement units **Multifunction measurement (MFM)** **DIRIS A10, A17 & A20** • Multi measurement • Metering • Alarm management • DIRIS A10: 4 modules • DIRIS A17: 72 x 72 mm dimensions • DIRIS A20: 96 x 96 mm dimensions **Optional modules** • Modbus protocol RS485 communication • 1 logical output	 	**diris 791 C** **DIRIS 743 A** **diris 896 a GB** **DIRIS 445 A** **DIRIS 447 A**
Energy monitoring (PMD) **DIRIS A40, A41, A60 & A80** • 96 x 96 mm • Multi measurement • Metering • Power management (load curves, etc.) • Harmonic analysis up to level 63 • DIRIS A41 (designed for highly distorted networks): neutral current measurement • DIRIS A60: detection of events (voltages / currents) and storage of ½ period RMS curves • DIRIS A80: A60 + monitoring of differential currents - RCM (Residual Current Monitoring)	 	**diris 824 A** **diris 876 A**

Optional modules • 2 pulse outputs • JBUS / MODBUS RS485 communication • PROFIBUS / DP RS485 communication • Ethernet with webserver • Temperature • Memory (DIRIS A40 / A41) • 2 analogue outputs • 2 configurable inputs + 2 configurable Outputs		**DIRIS 777 A** **DIRIS 445 A** **DIRIS 747 A**
DIRIS BCMS 720 • Compact distribution circuit monitoring system: up to 72 outputs + 10 inputs • Measurement and alarms • MODBUS or SNMP communication • Block of current transformers or split-core current transformers		**diris bcms 001 a** **diris bcms 002 a**
Energy measurement for your existing installations RETROFIT line A measurement device (COUNTIS or DIRIS) and three compact split current transformers are combined and optimized to ensure easy commissioning. The Retrofit Line allows you to easily add metering and measurement points in electrical enclosures which are very restricted in terms of integration.		**GAMME 244 A**
Network analyzers DIRIS N300 • Acquisition, processing and back-up module for measurements, harmonics, alarms, load curves, dips, outages and over voltages and vector diagrams • Connectivity via Ethernet • RS485 • USB Port		**DIRIS 754 A**
DIRIS N600 • DIRIS N300 + inter harmonic measurements, analysis of transients, flicker and EN 50160 report		
DIRIS D600 display • Graphic color LCD display module with local display and programming of the DIRIS N300 and N600 Optional DIRIS O modules		**DIRIS 762 A** **DIRIS 755 A**

• Remote modules for centralization or control / command from analogue or logical outputs / inputs • Programming of logical functions to create true automatic process functions		

Associated software and services

VERTELIS VISION

Centralized monitoring software for electrical installations

The first step in your Energy efficiency policy,
VERTELIS VISION is software preinstalled on an industrial PC (box).
It allows information from SOCOMEC metering and measurement devices to be read remotely and displayed on a normal web browser.

Main functions

- Real-time monitoring and logging of SOCOMEC devices
- Remote reading of energy indices with automatic export of reports (xls, pdf)
- Alarm management

VERTELIS VISION can be easily upgraded to the VERTELIS HYPERVIEW software package.

VERTELIS HYPERVIEW

Multi-utility energy management software

Compile and make sense of your energy data and display the results.
With VERTELIS HYPERVIEW, all the information from the instrumentation is uploaded, aggregated and analyzed. The Hyperview® concept means you can easily identify the relevant indicators and meet your energy performance objectives.

Main functions

- Optimizes your installation to reduce the energy bill by up to 30 %
- Provides remote reading of the metering points
- Monitors multi-utility consumption (electricity, water, gas, etc.)
- Analyses the data to identify malfunctions
- Communicates energy savings and environmental benefits
- Automatically sends reports by mail, SMS or shared space.

Measurement & energy management (continued)

Sensors

Shunt • From 1 to 6000 A, at 100 mV • Class 0.5		shunt 005a
Current transformers • From 5 to 5000 A • Coiled primary, routing of cables and bus bars, and split-cores • Three-phase version • Class 0.5 - 1 - 0.2S • Transformers with integrated or Snap-On converter		TRAFO 080 B TRAFO 008 B TRAFO 108 a TRAFO 021 a
Current transformer automatic short circuit device		PTI 005 A
Indicators and transducers • Digital and analogue in DIN, Rotex and modular unit • Ammeters and voltmeters, AC / DC • Frequency meters, phase-meters and wattmeters • Digital multi-indicators: MULTIS LMp and LMg (modular) and L72 (72 x 72) • Hours run meters • Phase changeover switches • Programmable transducers		amper 027 B voltm 025 B cosph 001 1 freq 005 A

Solutions for photovoltaic

Load break switches **SIRCO MC PV** • From 25 to 40 A • 600 and 1000 VDC • Rear or door mounting • Simultaneous PV and AC breaking • Breaking of 2 PV circuits for 2 MPPT UPS • IEC & UL		SIRCM-PV 010 A
Load break switches **SIRCO MV PV** • From 63 to 160 A • 800 and 1000 VDC		SIRCM-pv 010 A

Load break switches SIRCO PV • From 100 to 3000 A • 750, 1000, 1200 and 1500 VDC • Breaking of 2 PV circuits for 2 MPPT UPS		SIRCO-pv 023 A
Load break switches SIRCO MOT PV • From 200 to 630 A • 750 and 1000 VDC		SIRCO-PV 016 A
Load break switches SIRCO PV UL • From 100 to 2000 A • 1200 VDC and 1500 VDC IEC • 1000 VDC UL98b • Multi-circuit breaking		SIRCO-UL 022 B
Manual changeover switches SIRCOVER PV • From 200 to 630 A • 750 and 1000 VDC • 3 or 4 poles		SVR-PV 002 A
Fuses gPV Fuses • From 1 to 600 A in sizes 10 x 38, 14 x 51, T1, T2XL and 3L • 1000 VDC		RM-PV 004 A - RM-PV 005 A
RM PV • 1 pole • From 1 to 30 A, in sizes 10 x 38 and 14 x 51		rm-pv 004 A 1 rm-pv 005 a
PV Fuse bases • From 32 to 600 A • 1 pole • Size 1 to 3L • Insulating voltage 1000 Vdc • IP 2X size option 1		pv 002 a fuse base pv 004 a fuse base
Protection against over voltages SURGYS G51-PV • Type 2 surge protection device • 500, 600, 800 and 1000 VDC • Maximum discharge current of 40 kA		SGYS 076 A

Photovoltaic enclosures • Junction boxes for the following applications: - solar parks: FJB range (8, 12, 16, 24 and 32 strings) - buildings: BJB range (4 and 6 strings) - residential buildings: RJB range (DC or AC / DC, 1 or 2 strings, 1 or 2 MPPT) • Polycarbonate or polyester enclosures • Junction of 1 to 32 photovoltaic strings • Up to 1000 VDC (UocSTCmax) • Up to 10 A (IscSTC) • Protection against over currents and Over voltages • Designed in line with the directives of the guide UTE C 15-712-1 and in compliance with IEC 61-439-2 • Equipment monitoring (IFB) via ***SUNGUARD*** software (optional)	 	**COFF 380 A - COFF 377 A**
	**VERTE 034 A**	

Asia Safe Conection:
App. 13 No.8 Shahroud Alley,
Ferdowsi Sq. Tehran, Iran
Tel. +98 (21) 88 80 86 75
fax +98 (21) 88 80 73 48
E-Mail info@iranpowershop.com
Internet:
www.iranpowershop.com
www.asiasafeconection.com