

Solar Power

Industry Solutions

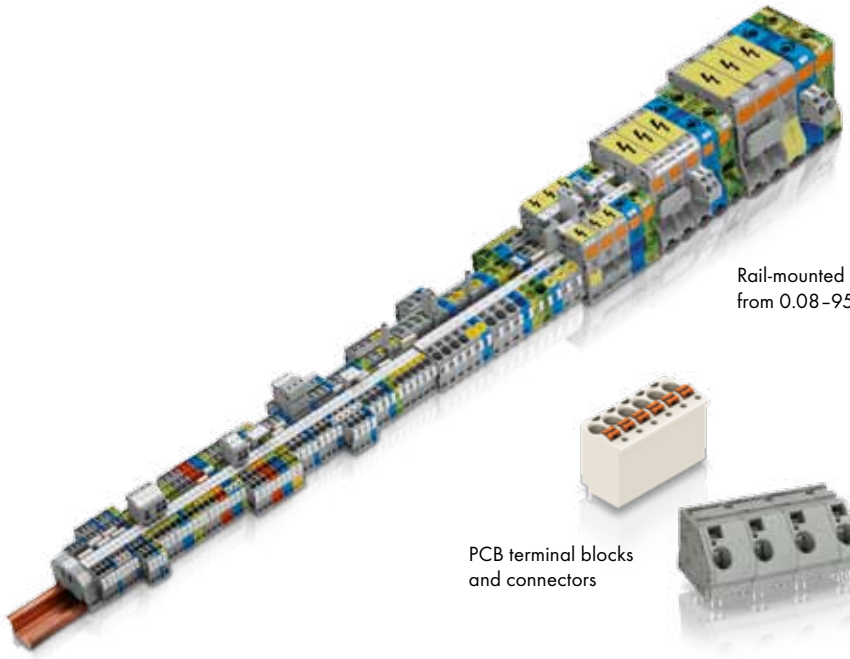
WAGO®
INNOVATIVE CONNECTIONS



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* PV = photovoltaic



Rail-mounted terminal block system
from 0.08–95mm² (AWG 28–4/0)

PCB terminal blocks
and connectors

Sunny Side Up

WAGO Power

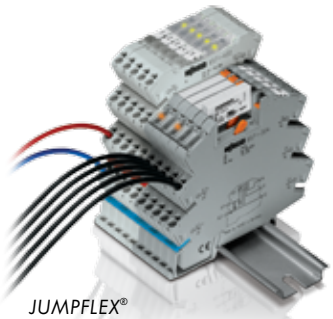
We are advocates for material reduction, recycling, environmentally friendly production processes and utilization of energy-saving technologies. Sustainability is our binding obligation to future generations.

Reliability with CAGE CLAMP®.

WAGO components equipped with CAGE CLAMP® Spring Pressure Connection Technology prove their value every day under the harshest conditions. Our plastics and materials, as well as reliable, safe and maintenance-free connection technology withstand severe environmental conditions to create a long service life. This ensures that your solar power system will remain a long-term source of revenue.



TO-PASS® telecontrol module



JUMPFLEX®
signal conditioners/relays
and optocoupler modules



Industrial ETHERNET switch

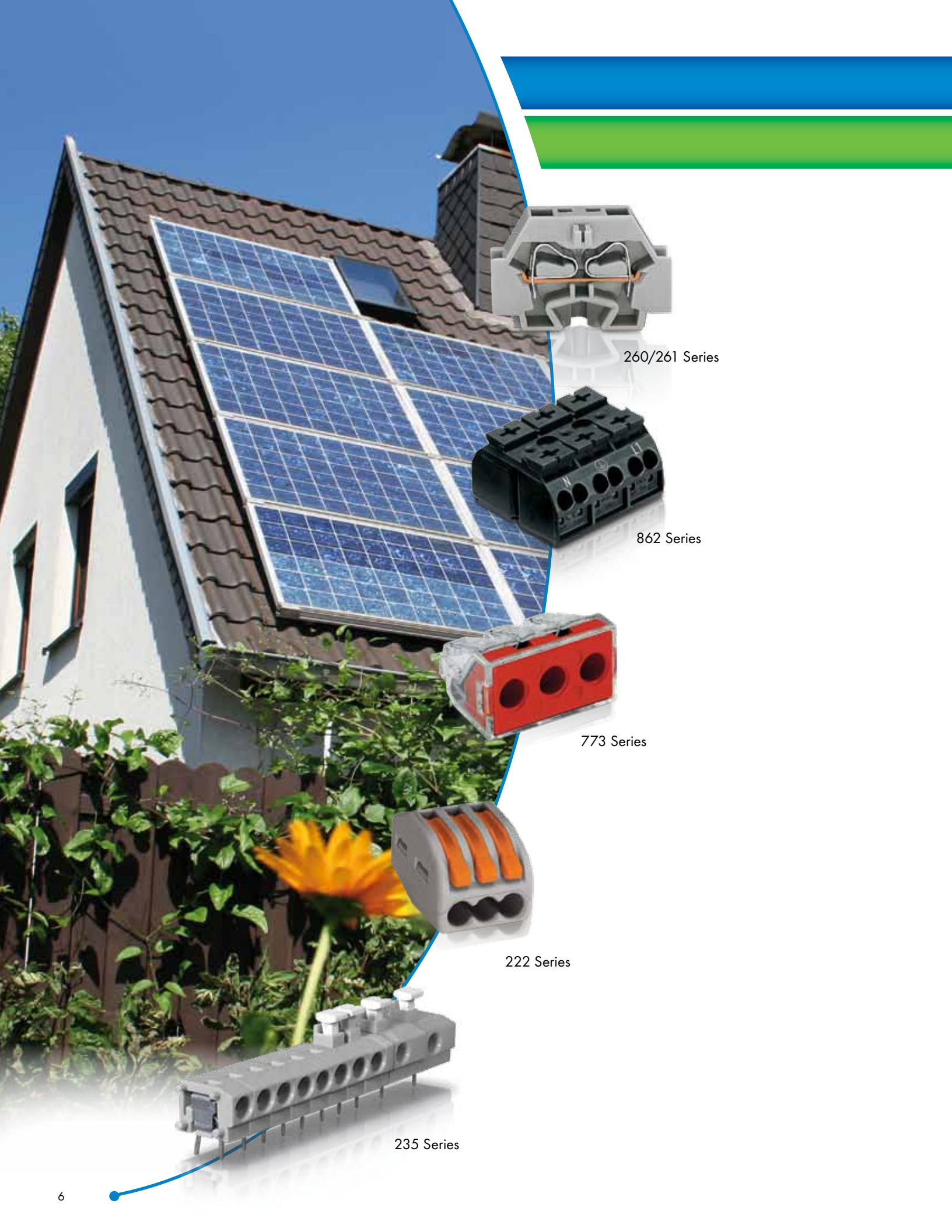




SPEEDWAY
IP67 I/O-SYSTEM

WAGO-I/O-SYSTEM

WAGO-I/O-IPC



260/261 Series

862 Series

773 Series

222 Series

235 Series

Connect to the Sun

Connection Technology for Photovoltaic Modules

Maximum output, minimum space.

Photovoltaic junction boxes play an important role in solar-energy production systems. They house electrical connections between modules, and protect the cells against damage.



The most critical component of PV junction boxes is the connection technology that guarantees secure contact between the strings and PV connection lines. Connection technology is largely responsible for both system efficiency and an extended life span.

Not surprisingly, PV systems are prone to dramatic temperature and humidity fluctuations triggered by harsh outdoor environments. In spite of this, PV systems are expected to have an extended service life. Engineered from the onset to withstand these challenges and more, WAGO terminal blocks have successfully served the most demanding applications through:

- Extremely compact and modular design
- Wide temperature range from - 60°C to +105°C (for a short time also up to 200°C)
- Compact and modular construction
- Transition from USE-2 type conductors to THHN/THWN-2
- Custom-engineered solutions



Photo provided courtesy of Spelsberg

Connect with Function

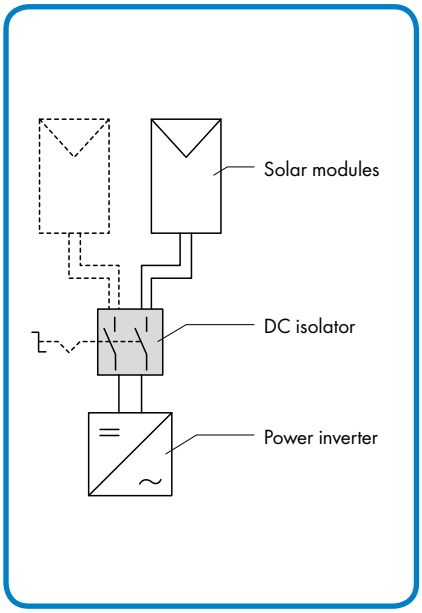
DC Isolation, Integrated Diode, Distribution

DC isolators, combiner boxes, and distribution boxes perform critical functions between the PV modules and the inverters:

- Isolation of equipment
- Collection of PV strings
- Reliable connection between modules and inverters.

The versatile WAGO rail-mounted terminal block system offers many possibilities for connecting the PV lines reliably and permanently. Intelligent jumper systems simplify the interconnection of the PV strings. Disconnect and fuse terminal blocks with high voltage resistance securely isolate PV generators from inverters. Custom-engineered solutions, such as diode modules (up to 1000 V DC), complete the system.





WAGO, when reliability matters!

Temperature fluctuation, vibration and corrosion mean screw connections must be checked and adjusted frequently. This is where CAGE CLAMP® excels. In addition to minimizing wiring and installation time, all terminations are permanently gas-tight, maintenance-free and resistant to vibration and thermal cycling.

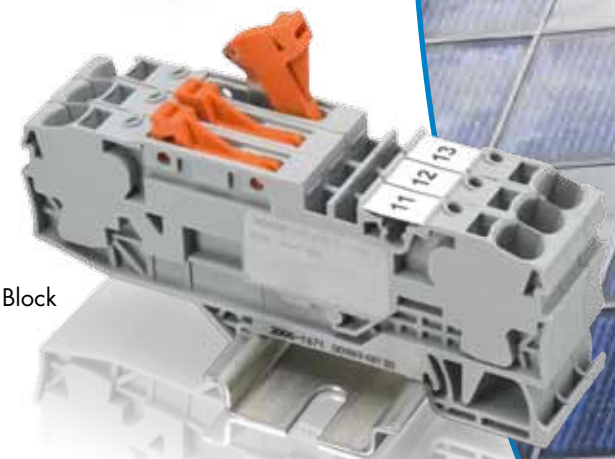
The rail-mounted terminal block system. Simply brilliant.

With just one rail-mounted terminal block system, WAGO fulfills virtually all industrial, Ex application and building installation needs. Thanks to CAGE CLAMP®S technology, TOPJOB®S rail-mounted terminal blocks are the industry's most compact. This means more wiring space, as well as smaller control cabinets and junction boxes.

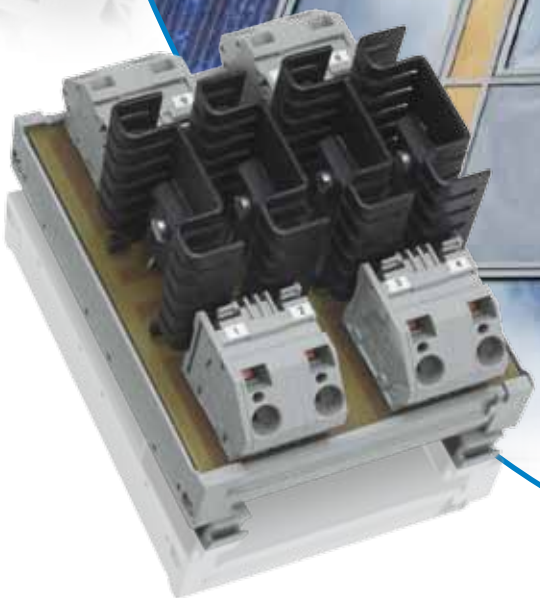
- CAGE CLAMP®S connection for all conductor types – tool-free termination of solid and ferruled conductors
- Extremely compact design for more wiring space or smaller control cabinets/junction boxes
- Robust, spring-loaded jumper system for convenient commoning
- Highly reliable and maintenance free terminations
- Touch-safe
- Convenient and cost-effective marking system
- No torque specifictions to follow
- POWER CAGE CLAMP® terminal blocks also provide screwless termination of conductors up to 4/0 AWG (95mm²).



TOPJOB®S Step-Down Jumper
and Diode Solutions *



2006 Series –
Knife Disconnect Block



Custom Diode Module

* Requires touch-proof cover
(please see page 23)





745 Series



2716 Series





828 Series



831 Series

285 Series high-current, rail-mounted terminal blocks from 2–4/0 AWG (35–95 mm²) for central power inverters

Reliable Connections at the Center

Power Inverter

At the heart of every PV system lies a power inverter. The connection technology of the WAGO PCB terminal blocks, connectors and feedthrough terminal blocks forms the reliable interface between the delicate electronics of the power inverter and the harsh outside world.

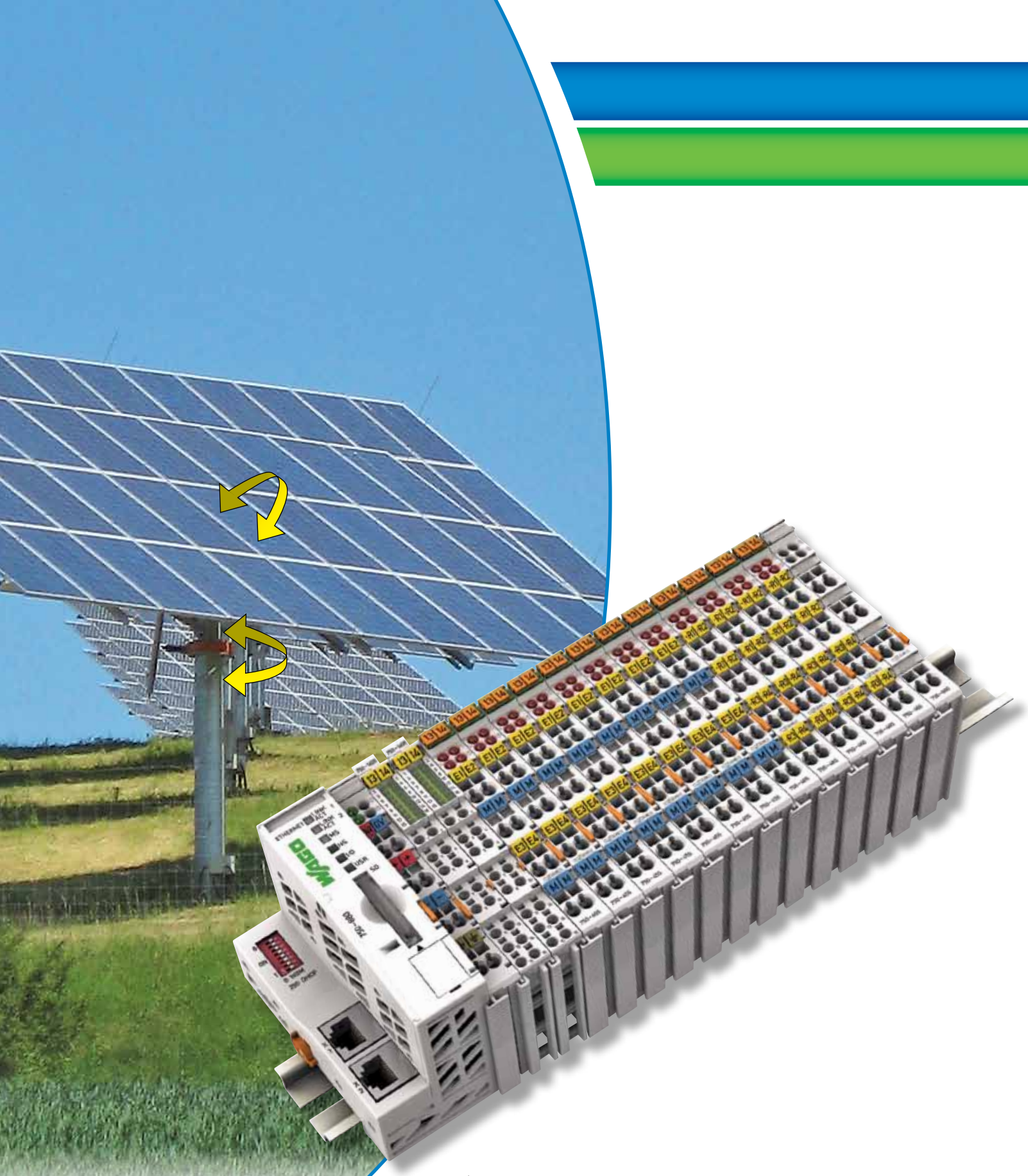


Photo provided courtesy of SMA



WAGO's extensive PCB terminal block offering accomodates conductor sizes up to 6 AWG (16 mm²) and improves power inverter performance through:

- User-friendly designs of the 2706 and 2716 Series Lever-Actuated PCB Terminal Blocks. Power electronics terminations have never been easier or more reliable. Several clamping units can be held open simultaneously, simplifying the connection of multi-conductor cables. Ratings up to 600 V/65 A (UL) and 1000V/76 A (IEC).
- Highly modular design of the 745 Series PCB Terminal Blocks. Individual poles can be color-coded for error-proof wiring. Class-leading terminal strip configuration flexibility.
- Straight forward connections found in the 828 Series Panel-Feedthrough Terminal Blocks. Obvious operation—simple to use. No tools for mounting, no tools for wiring. These features streamline installation for both the OEM and the end user. See application photo left.
- The diversity of the 831 Series high-current connectors. The range covers conductor sizes ranging from 20-8 AWG (0.5 – 10mm²), with ratings up to 600 V/42 A. Provides high-power pluggability to a PC board (wire-to-board); in-line (wire-to-wire); or mounted on a DIN rail (wire-to-wire, fixed).



WAGO-I/O-SYSTEM
750 Series

Reach for the Sun

Solar Tracking with the WAGO-I/O-SYSTEM

All in one.

The most compact, modular and fieldbus independent I/O system for decentralized automation.

Fine modularity and fieldbus independence are hallmarks of the WAGO-I/O-SYSTEM, which boasts worldwide approvals for a diverse range of applications.

Optimized for control, monitoring and data logging, The WAGO-I/O-SYSTEM offers high integration density with an unbeatable price/performance ratio.

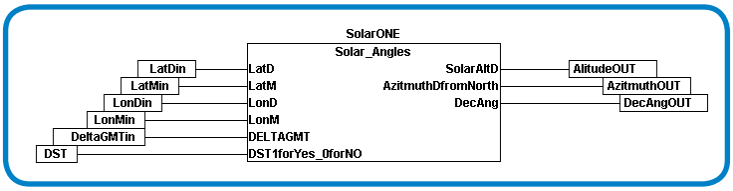
- Modular construction: digital, analog or specialty modules can be combined in virtually any manner. More than 400 modules to choose from.
- Freely programmable with any of the 5 IEC 61131-3 languages
- Support all major fieldbus protocols
- Cost effective visualization with built-in HMI software



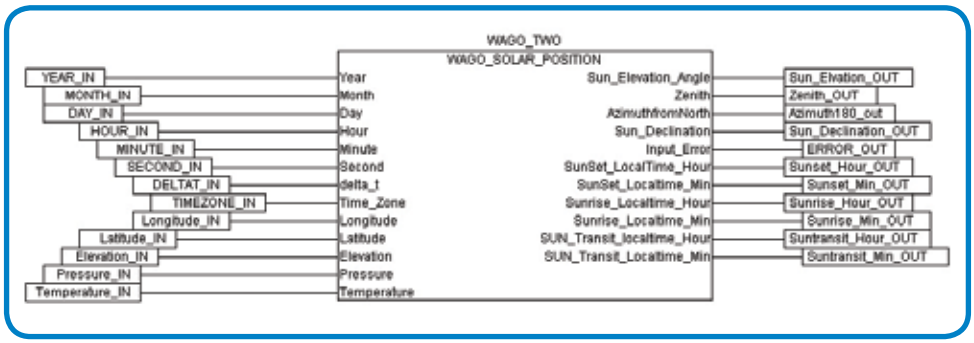
WAGO is ready to shine a light on solar efficiency with several solutions geared for increasing solar application performance.

WAGO's photovoltaic solar tracking function block calculates the relative position of the sun using geographic location, time zone, daylight savings status, current time, date and year. The algorithm uses celestial based events to output the sun's elevation and azimuth and is accurate to ±1°. This basic function block can be used with WAGO's Programmable Fieldbus Controllers or Industrial PCs.

Concentrated solar applications require a very high degree of accuracy to calculate the position of the sun. WAGO Solar Position function block calculates the elevation and azimuth of the sun to within ± 0.05 Degrees.



WAGO's SOLAR ANGLES function block tracks the sun's position and controls the azimuth and/or elevation for photovoltaic solar arrays.



WAGO's SOLAR POSITION function block tracks the sun's position and controls the azimuth and/or elevation of mirrors used in concentrated solar applications (Within 0.05° of NREL's calculations).

How Bright is the Sun Light?

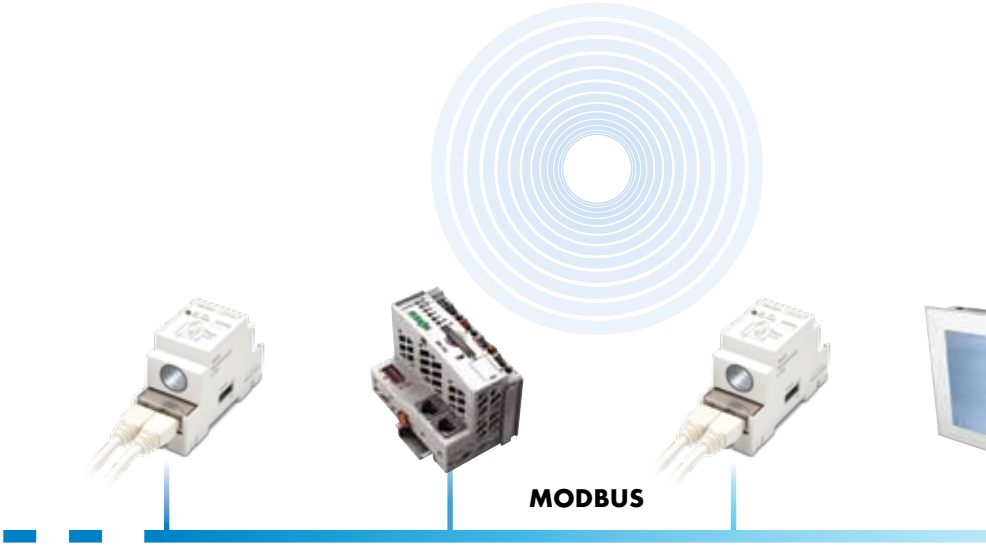
Monitoring Photovoltaic Systems

Continuous current measurement.

Performance of photovoltaic systems not only depends on sunlight, but also on the error-free operation of the solar arrays. WAGO's line of current sensors provides continuous current monitoring to help system operators identify potential problems from a defective solar panel.

Two sensors are available, the 789-620 measures DC currents up to 80 amps, and the 789-621 measures up to 140 amps DC. These sensors feature 0.5% full-scale accuracy using a contact-less current sensor. The current measurements values are available via MODBUS standard protocol to higher level control systems such as the WAGO-I/O-SYSTEM, WAGO's Industrial PCs or PERSPECTO® Control Panels. MODBUS Addressing is performed via onboard DIP switches. Up to 32 sensors can be sequentially connected per RS-485 segment and be expanded to a maximum bus cable length of 4,000 feet. Both current sensors can operate in environments from -20°C to +70°C.

These features provide cost-effective and easy-to-install monitoring solutions for photovoltaic systems.



IPCs monitor world's largest solar powered boat.

WAGO IPCs control charging for three batteries and ten Drivetek Maximum Power Pick Trackers (MPPT) via 13 CAN buscouplers on the world's largest solar powered boat. The WAGO IPCs monitor the PV panels' solar absorption which is vital for the fixed, deck-mounted PV panels and ensures safety for the four-member crew as Tûranor has no gasoline backups for steering or propulsion. For more info visit www.planetsolar.org.





789-620
Current Sensor

Always Informed

Communication / TO-PASS®/GPRS

Easy system monitoring.

In solar systems, many values must be monitored in order to guarantee perfect operation of the panels. When problems arise, fault messages, alarms and notifications must be transmitted quickly and securely. The cost-effective solution: *TO-PASS®* – the right device for every application.

TO-PASS® transmits measurement values via GSM network and offers the ability to store measurement values on any Web server.

Thus, you can access process data from nearly anywhere in the world.

Communication with power plants.

Power utilities are increasingly requiring direct connection of PV plants to their control systems. These control systems generally communicate via standard transmission protocols per IEC 60870 or IEC 61850. WAGO provides the appropriate software solutions for both protocols.

Simply put: Energy suppliers can optimize the power output of PV and concentrated solar plans via centralized telecontrol signals. The WAGO-I/O-SYSTEM can receive the telecontrol signals and control appropriate components. The measured line currents can also be used for evaluation.



IEC 60870, IEC 61850,

System operator/Power utilities



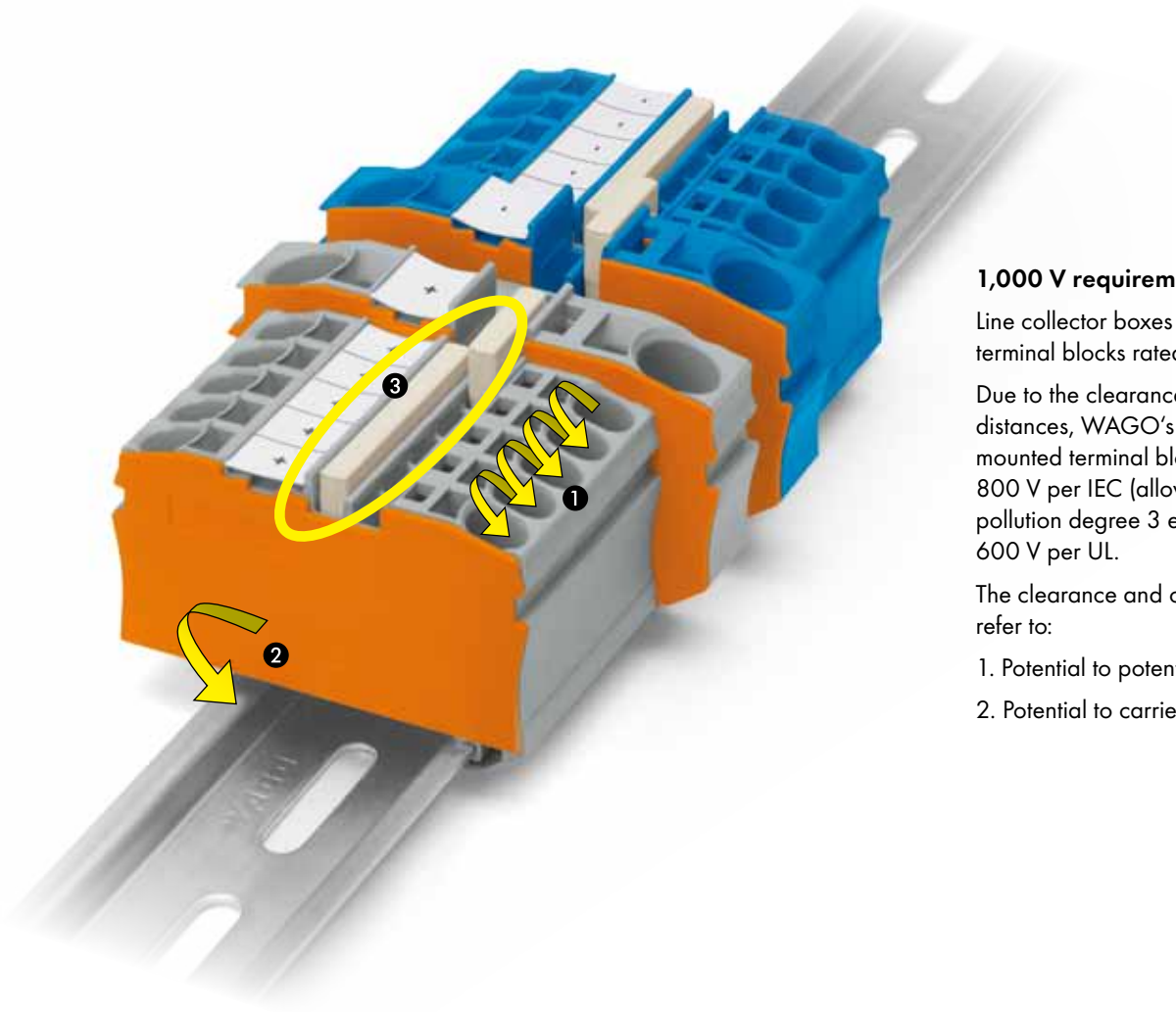
TO-PASS® telecontrol module, 761 Series

telecontrol signals, fault messages

Solar power plant

1000 V DC Solutions for Solar Systems

Rail-Mounted Terminal Blocks and Midget Style Fuse Holder for up



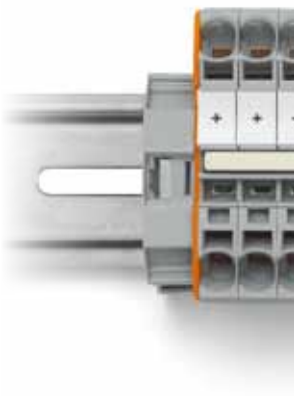
1,000 V requirements:

Line collector boxes require rail-mounted terminal blocks rated at 1,000 V DC.

Due to the clearance and creepage distances, WAGO's TOPJOB®S rail-mounted terminal blocks are rated at 800 V per IEC (allowing operation in pollution degree 3 environments) and 600 V per UL.

The clearance and creepage distances refer to:

1. Potential to potential ❶
2. Potential to carrier rail ❷





1,000 V per UL:

By using a multi-level block with the bottom level removed and covered ❺, it is possible to meet the UL spacing requirements for potential to carrier rail.

The oversized end plates must be used in between terminal blocks of differing potentials ❻, to meet the spacing requirements from potential to potential. With equal potentials, the multi-level terminal blocks with the bottom level removed and covered ❺, can be used without the oversized end plate.

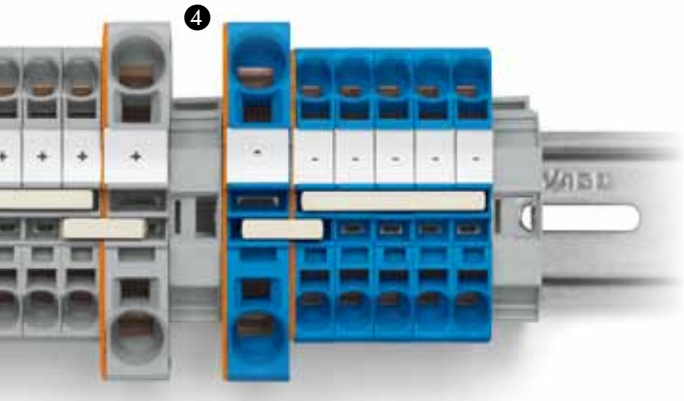
to 1000 V

1,000 V per EN:

By commoning individual terminal blocks, it is possible to achieve a common potential ❸.

This eliminates potential-to-potential clearances and creepage distances. The remaining clearances and creepage distances from potential to carrier rail are sufficient for 1,000 V EN applications.

Blocks with differing potentials (+, -) mounted adjacent to each other on the rail must be separated by an end stop that is at least 6 mm wide ❹.





Midget Fuse Holder rated for 1,000 V DC:

The new 811 Series Midget Style Fuse Holder with CAGE CLAMP® and lever actuation provides a maintenance free, vibration-proof connection for 1000 V DC fusing in combiner box applications.

WAGO Products

for Photovoltaic Systems

Products "Electrical Interconnections"

	Description	Series Name	Item No.	Technical Data	Comments
	Through terminal block, gray	TOPJOB® Classic	782-601	24 - 10 AWG 0.2 - 6 mm² 600 V, 30 A 1000 V / 8 kV / 3 I_N 41 A	
	Through terminal block, blue	TOPJOB® Classic	782-604	24 - 10 AWG 0.2 - 6 mm² 600 V, 30 A 1000 V / 8 kV / 3 I_N 41 A	
	Ground conductor terminal block, green-yellow	TOPJOB® Classic	782-607	24 - 10 AWG 0.2 - 6 mm²	
	Through terminal block, gray	TOPJOB® Classic	784-601	24 - 8 AWG 0.2 - 10 (16) mm² 600 V, 50 A 1000 V / 8 kV / 3 I_N 57 A	
	Through terminal block, blue	TOPJOB® Classic	784-604	24- 8 AWG 0.2 - 10 (16) mm² 600 V, 50 A 1000 V / 8 kV / 3 I_N 57 A	
	Ground conductor terminal block, green-yellow	TOPJOB® Classic	784-607	24- 8 AWG 0.2 - 10 (16) mm²	
	Through terminal block, gray	TOPJOB® Classic	783-601	24 - 6 AWG 0.2 - 16 mm² 600 V, 65 A 1000 V / 8 kV / 3 I_N 76 A	
	Through terminal block, blue	TOPJOB® Classic	783-604	24 - 6 AWG 0.2 - 16 mm² 600 V, 65 A 1000 V / 8 kV / 3 I_N 76 A	
	Ground conductor terminal block, green-yellow	TOPJOB® Classic	783-607	24 - 6 AWG 0.2 - 16 mm²	
	Through terminal block, gray	TOPJOB®S	2002-2201/0057-0000	22 - 12 AWG 1000 V, 20 A	1000 VDC see page 18
	Through terminal block, gray	TOPJOB®S	2006-1201	20 - 8 AWG 0.5 - 6 (10) mm² 600 V, 50 A 800 V / 8 kV / 3 I_N 41 A (57 A)	1000 VDC see page 18-19

	Description	Series Name	Item No.	Technical Data	Comments
	Through terminal block, blue	TOPJOB®S	2006-1204	20 - 8 AWG 0.5 - 6 (10) mm² 600 V, 50 A 800 V / 8 kV / 3 I_N 41 A (57 A)	1000 VDC see page 18-19
	Ground conductor terminal block, green-yellow	TOPJOB®S	2006-1207	20 - 8 AWG 0.5 - 6 (10) mm²	
	Through terminal block, gray	TOPJOB®S	2006-1301	20 - 8 AWG 0.5 - 6 (10) mm² 600 V, 50 A 800 V / 8 kV / 3 I_N 41 A (57 A)	1000 VDC see page 18-19
	Through terminal block, blue	TOPJOB®S	2006-1304	20 - 8 AWG 0.5 - 6 (10) mm² 600 V, 50 A 800 V / 8 kV / 3 I_N 41 A (57 A)	1000 VDC see page 18-19
	Ground conductor terminal block, green-yellow	TOPJOB®S	2006-1307	20 - 8 AWG 0.5 - 6 (10) mm²	
	Through terminal block, gray	TOPJOB®S	2010-1201	20 - 6 AWG 0.5 - 10 (16) mm² 600 V, 65 A 800 V / 8 kV / 3 I_N 57 A (76 A)	1000 VDC see page 18-19
	Through terminal block, blue	TOPJOB®S	2010-1204	20 - 6 AWG 0.5 - 10 (16) mm² 600 V, 65 A 800 V / 8 kV / 3 I_N 57 A (76 A)	1000 VDC see page 18-19
	Ground conductor terminal block, green-yellow	TOPJOB®S	2010-1207	20 - 6 AWG 0.5 - 10 (16) mm²	
	Through terminal block, gray	TOPJOB®S	2010-1301	20 - 6 AWG 0.5 - 10 (16) mm² 600 V, 65 A 800 V / 8 kV / 3 I_N 57 A (76 A)	1000 VDC see page 18-19
	Through terminal block, blue	TOPJOB®S	2010-1304	20 - 6 AWG 0.5 - 10 (16) mm² 600 V, 65 A 800 V / 8 kV / 3 I_N 57 A (76 A)	1000 VDC see page 18-19
	Ground conductor terminal block, green-yellow	TOPJOB®S	2010-1307	20 - 6 AWG 0.5 - 10 (16) mm²	
	Through terminal block, gray	TOPJOB®S	2016-1201	20 - 4 AWG 0.5 - 16 (25 “f-st”)mm² 600 V, 85 A 800 V / 8 kV / 3 I_N 76 A (90 A)	1000 VDC see page 18-19
	Through terminal block, blue	TOPJOB®S	2016-1204	20 - 4 AWG 0.5 - 16 (25 “f-st”)mm² 600 V, 85 A 800 V / 8 kV / 3 I_N 76 A (90 A)	1000 VDC see page 18-19

	Description	Series Name	Item No.	Technical Data	Comments
	Ground conductor terminal block, green-yellow	TOPJOB®S	2016-1207	20 - 4 AWG 0.5 - 16 (25 "f-st")mm²	
	Through terminal block, gray	TOPJOB®S	2016-1301	20 - 4 AWG 0.5 - 16 (25 "f-st")mm² 600 V, 85 A 800 V / 8 kV / 3 I_N 76 A (90 A)	1000 VDC see page 18-19
	Through terminal block, blue	TOPJOB®S	2016-1304	20 - 4 AWG 0.5 - 16 (25 "f-st")mm² 600 V, 85 A 800 V / 8 kV / 3 I_N 76 A (90 A)	1000 VDC see page 18-19
	Ground conductor terminal block, green-yellow	TOPJOB®S	2016-1307	20 - 4 AWG 0.5 - 16 (25 "f-st")mm²	
	Through terminal block	TOPJOB®S	2006-1601 gray 2006-1604 blue	20 - 8 AWG 0.5 - 6 (10) mm² 600 V, 30 A 800 V / 6 kV / 3 I_N 30 A	1000 VDC see page 18-19
	Disconnect terminal block	TOPJOB®S	2006-1671 gray 2006-1674 blue	20 - 8 AWG 0.5 - 6 (10) mm² 600 V, 30 A 800 V / 6 kV / 3 I_N 30 A	1000 VDC see page 18-19
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0100	20 - 8 AWG 0.5 - 6 (10) mm² 1000 VDC Peak reverse voltage 5 A, continuous	IP00* Touch-proof protection is to be ensured by the system installer, e.g. with a WAGO 709 Series Cover
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0300	20 - 8 AWG 0.5 - 6 (10) mm² 1000 VDC Peak reverse voltage 5 A, continuous	IP00* Touch-proof protection is to be ensured by the system installer, e.g. with a WAGO 709 Series Cover
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0400	20 - 8 AWG 0.5 - 6 (10) mm² 1000 VDC Peak reverse voltage 5 A	IP00* Touch-proof protection is to be ensured by the system installer, e.g. with a WAGO 709 Series Cover
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0600	20 - 8 AWG 0.5 - 6 (10) mm² 1600 VDC Peak reverse voltage 3 A	IP00* Touch-proof protection is to be ensured by the system installer, e.g. with a WAGO 709 Series Cover
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0700	20 - 8 AWG 0.5 - 6 (10) mm² 1600 VDC Peak reverse voltage 3 A	IP00* Touch-proof protection is to be ensured by the system installer, e.g. with a WAGO 709 Series Cover
	Diode terminal block		288-142	24 - 10 AWG 0.2 - 6 mm² 1200 VDC Peak reverse voltage 8A	IP00* Touch-proof protection is to be ensured by the system installer, e.g. with a WAGO 709 Series Cover
 *	Cover, type 1		709-153		

Products “Electrical Interconnections”

	Description	Series Name	Item No.	Technical Data	Comments
 *	Cover carrier, type 1		709-167		
	High-current through terminal block, gray	POWER CAGE CLAMP®	285-135	8 - 2 AWG 6 - 35 mm² 600 V, 115 A 1000 V / 8 kV / 3 I_N 125 A	1000 VDC see page 18-19
	High-current through terminal block, blue	POWER CAGE CLAMP®	285-134	8 - 2 AWG 6 - 35 mm² 600 V, 115 A 1000 V / 8 kV / 3 I_N 125 A	1000 VDC see page 18-19
	High-current ground conductor terminal block, green-yellow	POWER CAGE CLAMP®	285-137	8 - 2 AWG 6 - 35 mm²	
	High-current through terminal block, gray	POWER CAGE CLAMP®	285-150	8 - 2/0 AWG 10 - 50 (70) mm² 600 V, 150 A 1000 V / 8 kV / 3 I_N 150 A	1000 VDC see page 18-19
	High-current through terminal block, blue	POWER CAGE CLAMP®	285-154	8 - 2/0 AWG 10 - 50 (70) mm² 600 V, 150 A 1000 V / 8 kV / 3 I_N 150 A	1000 VDC see page 18-19
	High-current ground conductor terminal block, green-yellow	POWER CAGE CLAMP®	285-157	8 - 2/0 AWG 10 - 50 (70) mm²	
	High-current ground conductor terminal block, gray	POWER CAGE CLAMP®	285-195	4 - 4/0 AWG 25 - 95 mm² 600 V, 200 A 1000 V / 8 kV / 3 I_N 232 A	1000 VDC see page 18-19
	High-current ground conductor terminal block, blue	POWER CAGE CLAMP®	285-194	4 - 4/0 AWG 25 - 95 mm² 600 V, 200 A 1000 V / 8 kV / 3 I_N 232 A	1000 VDC see page 18-19
	High-current ground conductor terminal block, green-yellow	POWER CAGE CLAMP®	285-197	4 - 4/0 AWG 25 - 95 mm²	
	Disconnect/test terminal block	Rail-mounted terminal blocks for front-entry wiring	282-860	24 - 10 AWG 0.2 - 6 mm² 600 V, 30 A 500 V / 6 kV / 3 I_N 30 A	
	Disconnect terminal block	Rail-mounted terminal blocks for front-entry wiring	282-821	24 - 10 AWG 0.2 - 6 mm² 600 V, 30 A 500 V / 6 kV / 3 I_N 30 A	
	Midget (10 x 38 mm) style fuse holder	Rail-mounted fuse holder	811-316	16 - 6 AWG 1.5 - 16 mm² 1000 V DC, 30 A	

Products “Electrical Interconnections”

	Description	Series Name	Item No.	Technical Data	Comments
	Midget (10 x 38 mm) style fuse holder with indication	Rail-mounted fuse holder	811-317	16 - 6 AWG 1.5 - 16 mm² 1000 V DC, 30 A	
	Feedthrough terminal block	Feedthrough terminal blocks	828-334	16 - 6 AWG 1.5 - 16 mm² 600 V, 40 A 1000 V / 8 kV / 3 I_N 41 A	
	PCB terminal strips with operating levers 7.5 mm 10 mm	PCB terminal strips	2706-10x 2706-20x	20 - 10 AWG 0.5 - 6 mm² 300 V, 30 A 630 V / 6 kV / 2 I_N 41 A	
	PCB terminal strips with operating levers and jumper slots 7.5 mm 10 mm	PCB terminal strips	2706-15x 2706-25x	20 - 10 AWG 0.5 - 6 mm² 300 V, 30 A 630 V / 6 kV / 2 I_N 41 A	
	PCB terminal strips with operating levers 12.5 mm	PCB terminal strips	2706-30x	20 - 10 AWG 0.5 - 6 mm² 600 V, 30 A 1000 V / 8 kV / 2 I_N 41 A	
	PCB terminal strips with operating levers	PCB terminal strips	2716-10x	16 - 6 AWG 1.5 - 16 mm² 300 V, 55 A 320 V / 4 kV / 2 I_N 76 A	
	PCB terminal strips with operating levers	PCB terminal strips	2716-20x	16 - 6 AWG 1.5 - 16 mm² 600 V, 65 A 1000 V / 8 kV / 2 I_N 76 A	
	PCB terminal strips with operating levers and jumper slots	PCB terminal strips	2716-15x	16 - 6 AWG 1.5 - 16 mm² 300 V, 55 A 320 V / 4 kV / 2 I_N 76 A	
	PCB terminal strips with operating levers and jumper slots	PCB terminal strips	2716-25x	16 - 6 AWG 1.5 - 16 mm² 600 V, 65 A 1000 V / 4 kV / 2 I_N 76 A	
	High-current pluggable connector	MCS-MAXI	831-310x 831-320x 831-36xx	20 - 8 AWG 0.5 - 10 mm² 600 V, 42 A 1000 V / 8 kV / 2 7.62 mm pitch 2 - 8 poles	Wire-to-PC board Wire-to-wire
	4-conductor chassis-mount terminal strips, 2- to 5-pole	Compact terminal strips	862-xxxx	20 - 12 AWG 0.5 - 4 mm² 300 V, 20 A 600 V, 5 A I_N 32 A	
	2- and 4-conductor terminal strips with fixing flanges 2- to 12-pole	Terminal strips	262-xxx	28 - 12 AWG 0.08 - 4 mm² 300 V, 20 A 630 V / 8 kV / 3 I_N 24 A	
	Compact splicing connectors	LEVER-NUTS®	222-412 222-413 222-415	28 - 12 AWG 0.08 - 4 mm² 600 V, 20 A 400 V / 4 kV / 2	Re-usable splice

Products “Electrical Interconnections”

	Description	Series Name	Item No.	Technical Data	Comments
	PUSHWIRE® splicing connectors	WALL-NUTS®	773-10x 773-173 (10 AWG)	18 - 12 AWG 16 - 12 AWG 600 V	Solid Stranded (≤ 19 strands)

Products “Automation”

	Description	Series Name	Item No.	Technical Data	Comments
	Current sensor with bus connection in DIN-rail mountable enclosure	Interface module	789-620	DC 0 ... 80 A 12 V ... 34 V MODBUS slave RS-485 IP20	–20 °C ... +70 °C
	Current sensor with bus connection in DIN-rail mountable enclosure	Interface module	789-621	DC 0 ... 140 A 12 V ... 34 V MODBUS slave RS-485 IP20	–20 °C ... +70 °C
	Fieldbus couplers/ controllers and I/O modules	WAGO-I/O-SYSTEM 750	750-xxx	400+ I/O modules, Programmable via CoDeSys to IEC 61131, IP20	Default: 0 °C ... +55 °C Expanded: –20 °C ... +60 °C
	Fieldbus couplers/ programmable fieldbus couplers and I/O modules	WAGO-SPEEDWAY 767	767-xxx	25+ I/O modules, Programmable via CoDeSys 3 to IEC 61131, configurable via FDT/DTM, IP67	–25 °C ... +60 °C
	Telecontrol modules	TO-PASS®	761-21x	Compact telecontrol modules 8 AI, 8 DI, 2 AO, 4 DO, GSM/GPRS/SMS, DC 10-36 V	–20 °C ... +70 °C
	Telecontroller	WAGO-I/O-SYSTEM	750-872	Programmable controller IEC 60 870-101/104 IEC 61850 IEC 61400-25	Telecontrol protocol
	Switches	Industrial switches	852-xxx		
	Power supplies	EPSITRON®	787-xxx	Network devices, buffer and redundancy modules, USP, electronic circuit breakers	–25 °C ... +75 °C

WAGO Product Information

All WAGO products featured in this brochure are in the following WAGO Full Line Catalogs:



Full Line Catalog Volume 1
Rail-Mounted Terminal Block Systems

- Rail-Mounted Terminal Blocks
- X-COM®-SYSTEM
- Terminal Strips
- Patchboard Systems
- Shield (Screen) Connecting System



Full Line Catalog Volume 2
Connectors and PCB Terminal Blocks

- PCB Terminal Blocks
- Feedthrough Terminal Blocks
- PCB Connectors
- Specialty Connectors



Full Line Catalog Volume 3
I/O-SYSTEM

- Modular IP20/IP67 I/O-SYSTEM
- Radio Technology
- IP20/67 AS-Interface I/O-SYSTEM
- IP67 Block I/O-SYSTEM
- IP67 Sensor/Actuator Boxes
- IP67 Cables and Connectors
- Power Supplies
- *PERSPECTO*®



Full Line Catalog Volume 4
Interface Modules

- Interface Modules
- IP67 Sensor/Actuator Boxes
- Radio Technology
- Overvoltage Protection
- Power Supplies
- Empty Housings and DIN-Rail Mounting Carriers



Full Line Catalog Volume 5
WINSTA®

- *WINSTA*® MINI: Connectors, Snap-in Device Connectors...
- *WINSTA*® MIDI: Connectors, Snap-in Device Connectors...
- *WINSTA*® MAXI: Connectors
- *WINSTA*® RD: Cable Assemblies
- *WINSTA*® KNX: Connectors, Snap-in Device Connectors...
- *WINSTA*® IDC: Supply and Tap-Off Modules for Flat Cables

Available as eBooks online at www.wago.us

www.wago.us/AE.htm

For a quick product overview, please use the Internet industry portal or the online catalog.





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