



Power

Photovoltaics

WAGO[®]
INNOVATIVE CONNECTIONS



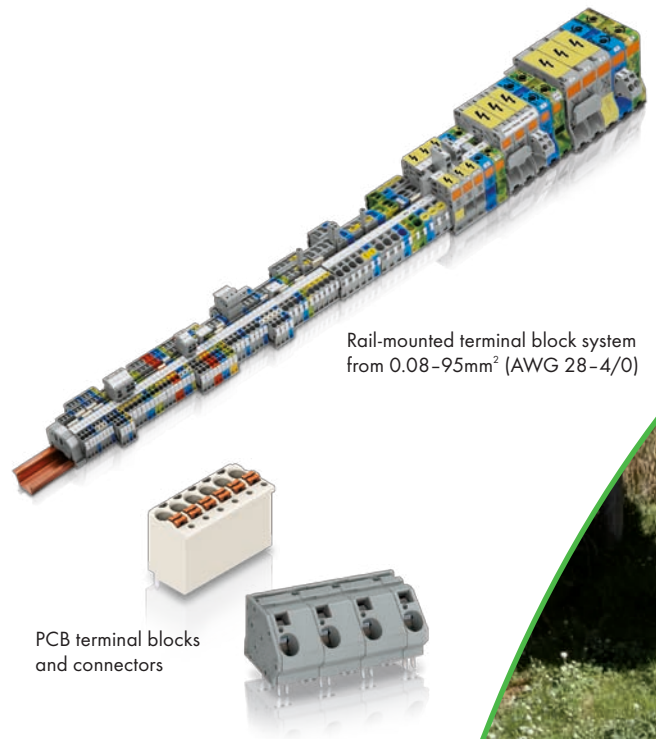
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* PV = photovoltaic

The main objective of the power generation and distribution industry is to ensure the reliable and safe supply of power. In an era of increasing global competition, the financial benefits that components bring to a project dramatically impact decision-making. WAGO components provide the greatest degrees of safety and quality paired with industry-leading reliability. This creates a compelling argument that will win over even the most discerning decision-makers.

Our planet's resources are finite and climate change can no longer be denied. These facts pose a great challenge to any company producing goods. And these facts are pushing WAGO to continue leading the industry:



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

PCB terminal blocks and connectors

Sunny Side Up

WAGO Power

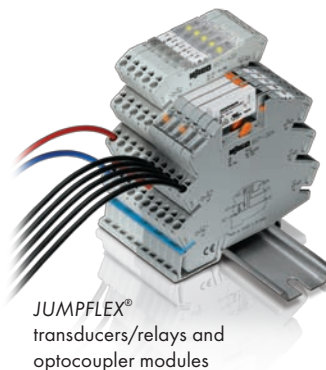
We are advocates for material reduction, recycling, environmentally friendly production processes and utilization of energy-saving technologies. Sustainability is our binding obligation to future generations.

Reliability with CAGE CLAMP®

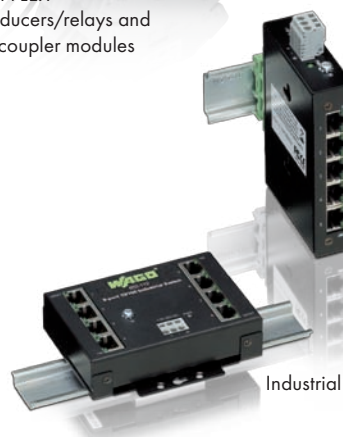
WAGO components equipped with CAGE CLAMP® Spring Pressure Connection Technology prove their value every day under the harshest conditions. Our plastics and materials, as well as reliable, safe and maintenance-free connection technology withstand severe environmental conditions to create a long service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



TO-PASS® telecontrol module and GPRS modem



JUMPFLEX® transducers/relays and optocoupler modules



Industrial ECO switch





WAGO-I/O-SYSTEM



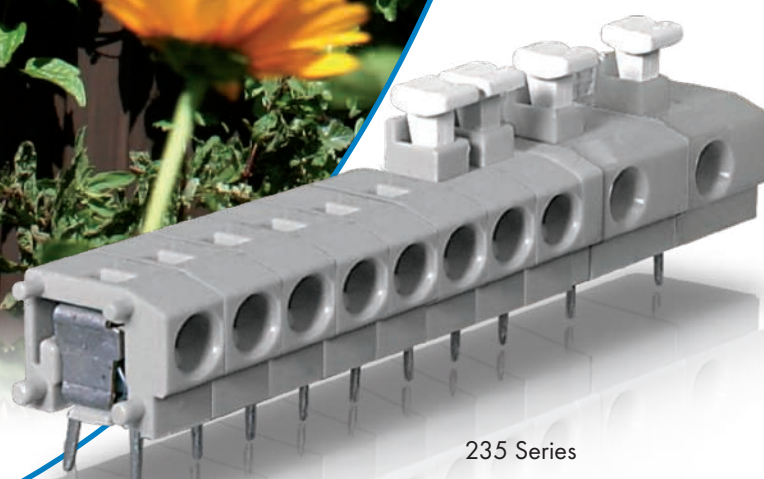
WAGO-I/O-IPC



260/261 Series



862 Series



235 Series

Connect to the Sun

Connection Technology for Photovoltaic Modules

Maximum output, minimum space

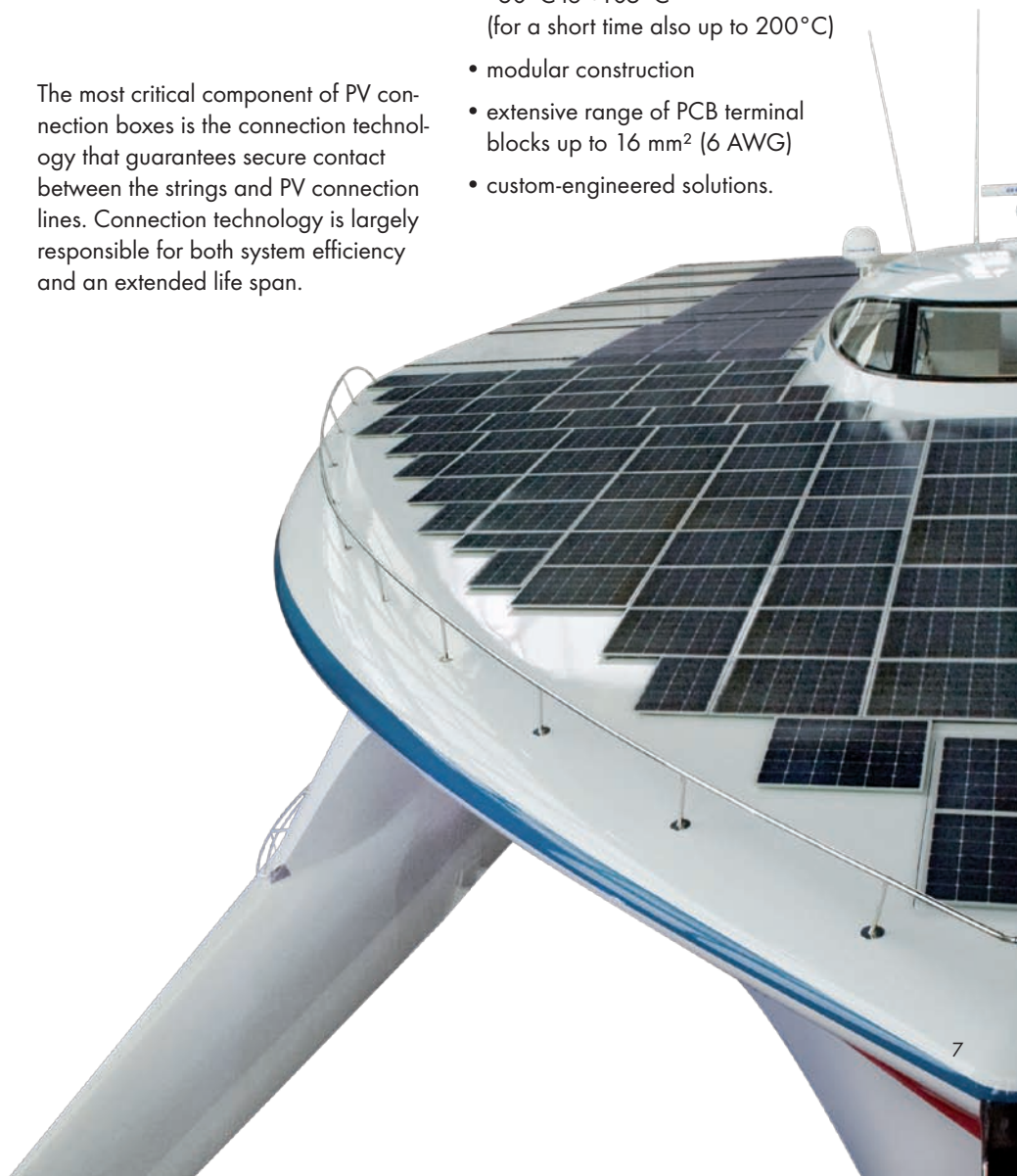
Photovoltaic connection boxes play an important role in solar-energy production systems. They house electrical connections between modules, and protect the cells against damage.



The most critical component of PV connection 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:

- an especially flat design
- wide temperature range from - 60°C to +105°C (for a short time also up to 200°C)
- modular construction
- extensive range of PCB terminal blocks up to 16 mm² (6 AWG)
- custom-engineered solutions.



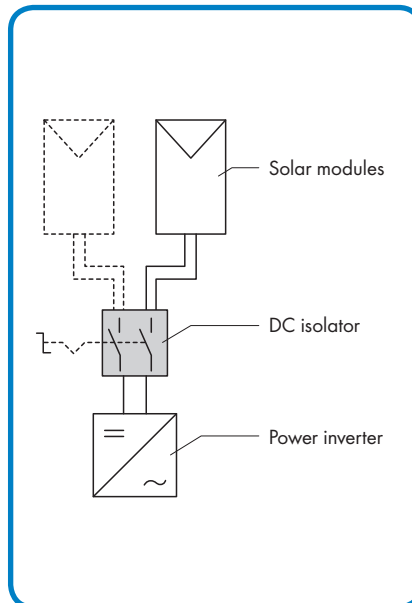
Connect with Function

DC Isolators, Diode Box, Distributor Box

DC isolators, activation boxes, and distributor boxes perform critical functions between the PV modules and the inverters:

- Isolation equipment
- PV collection box
- 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 lines. Disconnect and fuse terminal blocks with high voltage resistance securely isolate PV generators from inverters. Custom-engineered solutions, such as diode boxes (up to 1000VDC), complete the system.



The rail-mounted terminal block system. Simply brilliant.

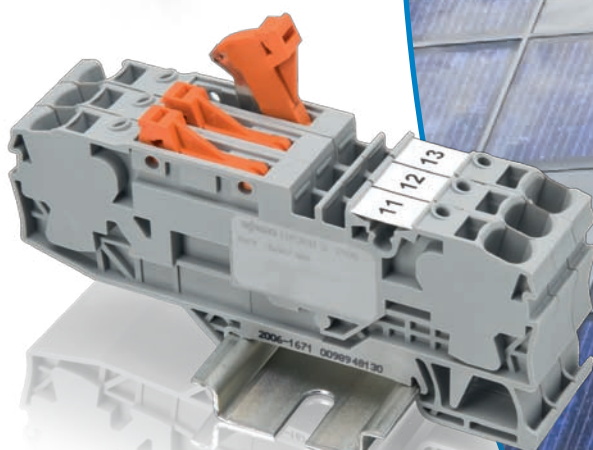
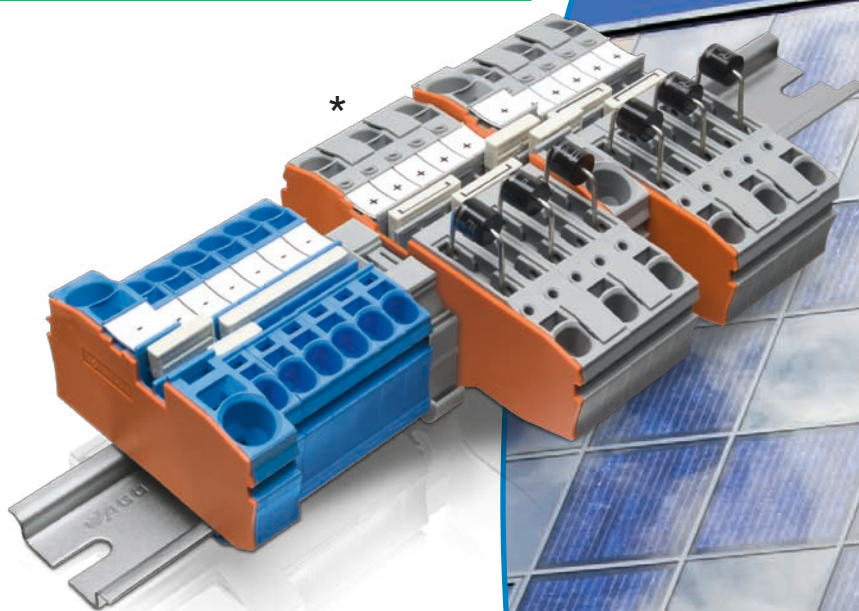
With just one rail-mounted terminal block system, WAGO fulfills virtually all industrial, Ex application and building installation needs. Thanks to CAGE CLAMP®S technology, TOPJOB®S rail-mounted terminal blocks are the industry's most compact for the "DIN 35 rail." This means more wiring space, as well as smaller switch cabinets and junction boxes.

- CAGE CLAMP®S connection for all conductor types – tool-free termination of solid conductors
- Extremely compact design for more wiring space or smaller switch cabinets/terminal boxes
- Robust, spring-loaded jumper system for full nominal current
- Highly reliable terminations
- Cost-effective marking system
- Ex approvals are standard
- POWER CAGE CLAMP terminal blocks also provide screwless termination of conductors up to 95mm² (4/0 AWG).

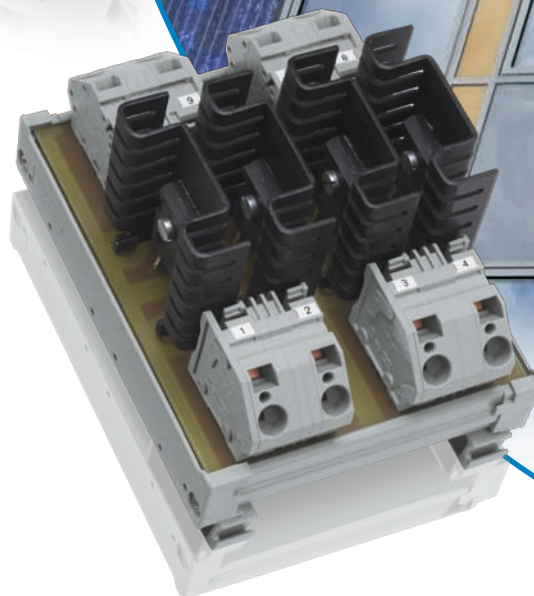
When unreliable would be inexcusable

Temperature fluctuations, vibrations and environmental aggressors mean screw connections must be checked and adjusted frequently. This is where CAGE CLAMP®S excels. In addition to minimizing wiring and installation times, all terminations are permanently gas-tight, maintenance-free and vibration-resistant.





2006 Series



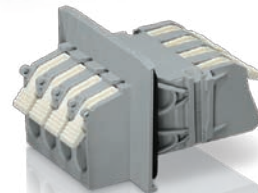
* Requires touch-proof cover
(please see also page 23)



745 Series



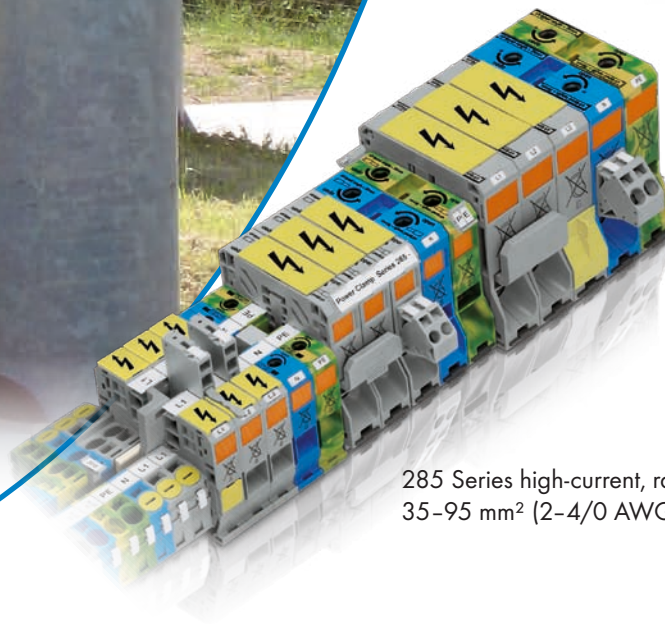
2716 Series



828 Series



picoMAX®

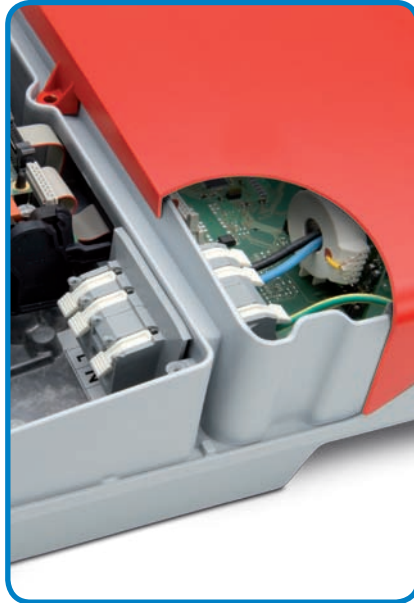


285 Series high-current, rail-mounted terminal blocks from 35-95 mm² (2-4/0 AWG) for central power inverters

Reliable Connections at the Center

Power Inverter

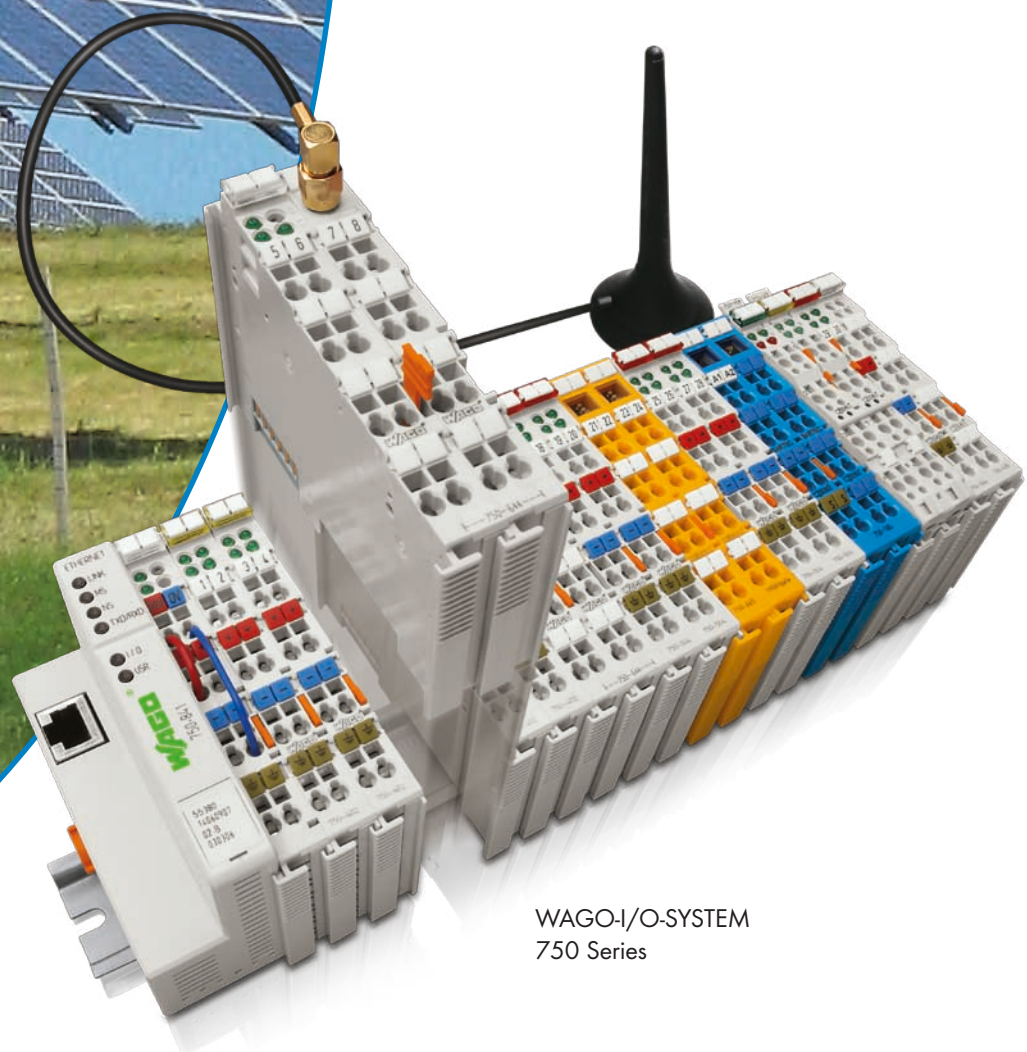
At the heart of every PV system lies a power inverter. The connection technology of the WAGO PCB terminal blocks, connectors and feedthrough terminal blocks forms the reliable interface between the delicate electronics of the power inverter and the harsh outside world.



WAGO's extensive PCB terminal block system includes cross-sectional areas up to 16 mm² (6 AWG) and improves power inverter performance through:

- User-friendly designs of the 2176 and 745 Series PCB terminal blocks. Several clamping units can be held open simultaneously, simplifying the connection of multi-core cables (can be used up to 100V/76A). A highly modular design endows 745 Series with class-leading versatility.
- Straightforward connections found in the 828 Series feedthrough terminal blocks. Easy to handle, simple to use, these components streamline projects for the end customer.
- The diversity of 831 Series high-current connectors. The lineup covers currents up to 41A and every cross-sectional range from 0.5–10 mm² (20–8 AWG).





WAGO-I/O-SYSTEM
750 Series

Reach for the Sun

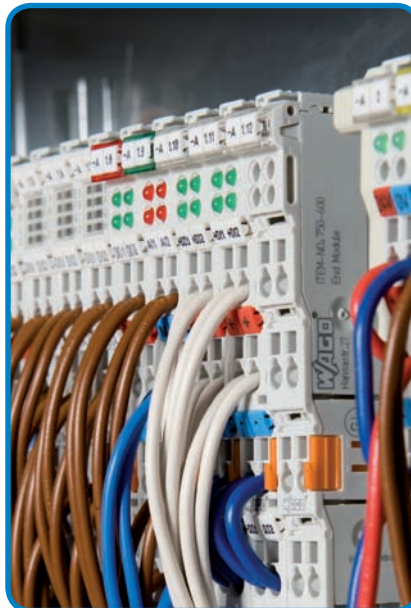
WAGO-I/O-SYSTEM

Control, data logger, solar tracking systems

The WAGO-I/O-SYSTEM, featuring the world's fieldbus-independent design, provides fine granularity and a broad array of modular components. Ready to meet all requirements placed on distributed fieldbus systems, the WAGO-I/O-SYSTEM is approved for use in extremely diverse applications.

Whether used for monitoring large PV systems, or for controlling PV tracking systems:

- Consider your needs met by 400+ digital/analog I/O modules, as well as fieldbus couplers.
- Be connected and be informed via Web-Visu access. From the connection of current sensors up through data loggers, the multitasking WAGO-I/O-SYSTEM will support virtually any need.



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

Optimized for process-oriented communication, with a scalable system, the WAGO-I/O-SYSTEM offers high integration density with an unbeatable price/performance ratio.

Advantages for building and industrial automation:

- Modular construction: Digital, analog and specialty modules can be combined in virtually any manner within a node. Outputs of different capacities up to 230V.
- Freely programmable: Comprehensive programming possibilities in compliance with IEC 61131-3.
- Supports all common fieldbus systems: telecontrol protocol, PROFIBUS, PROFINET, ETHERNET, etc.
- Radio technology



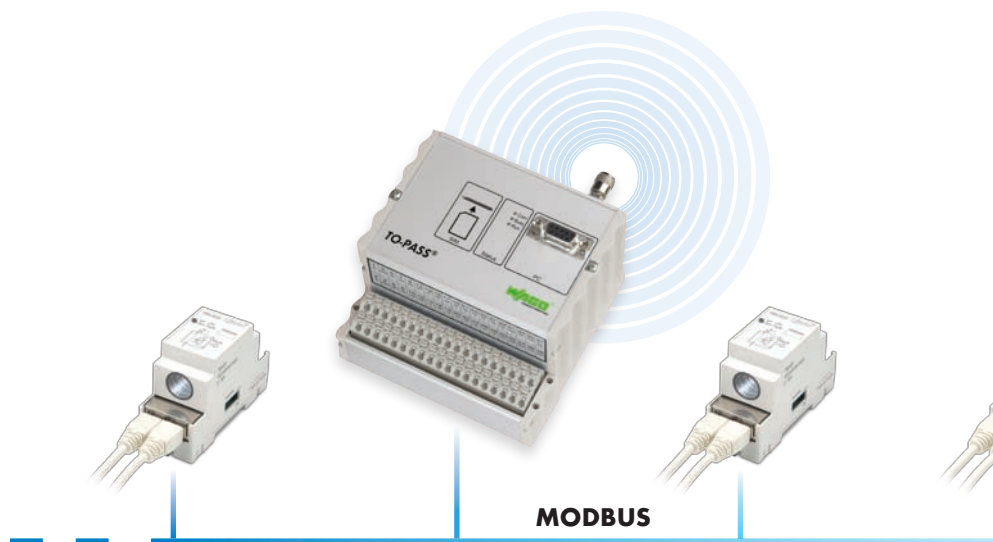
How Bright is the Sun Light?

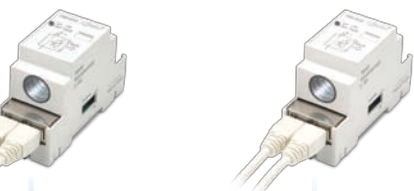
Monitoring Photovoltaic Systems

Exact measurement values for the control center

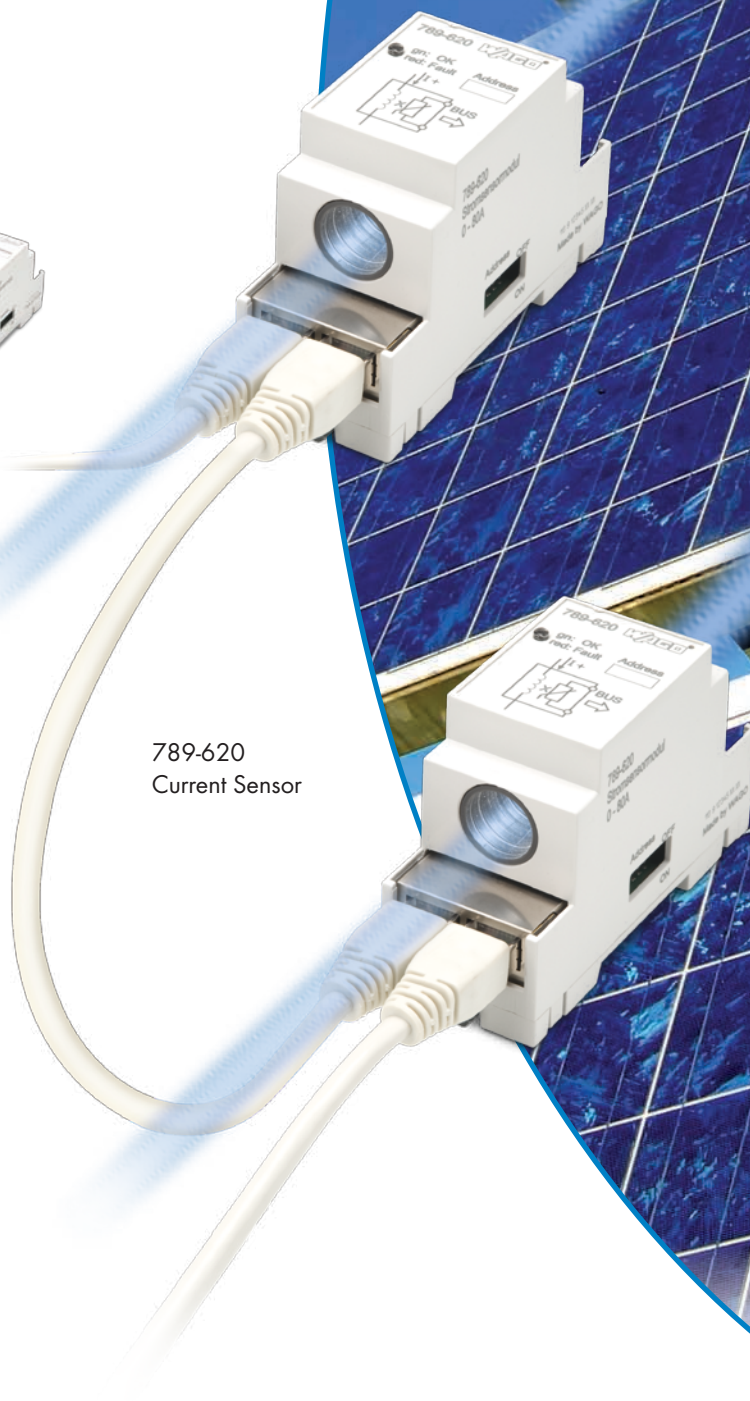
System monitoring requires line current or total current measurement. WAGO's Current Sensor distinguishes itself through its superior EMC safety. It measures currents reliably up to 140A and makes measurement values available via MODBUS standard protocol to superior controls, visualizations or control centers.

- Up to 32 sensors can be sequentially connected per RS-485 line and expanded to a maximum bus cable length of 1200m.
- With a measurement precision of 0.5% of the end value, the measurement range of 0-80A and 0-140A (DC) ensures reliable phase monitoring.
- Ambient operating temperatures from -20°C to +70°C





789-620
Current Sensor



Always Informed

Communication / TO-PASS®/GPRS

Easy system monitoring

In PV 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.

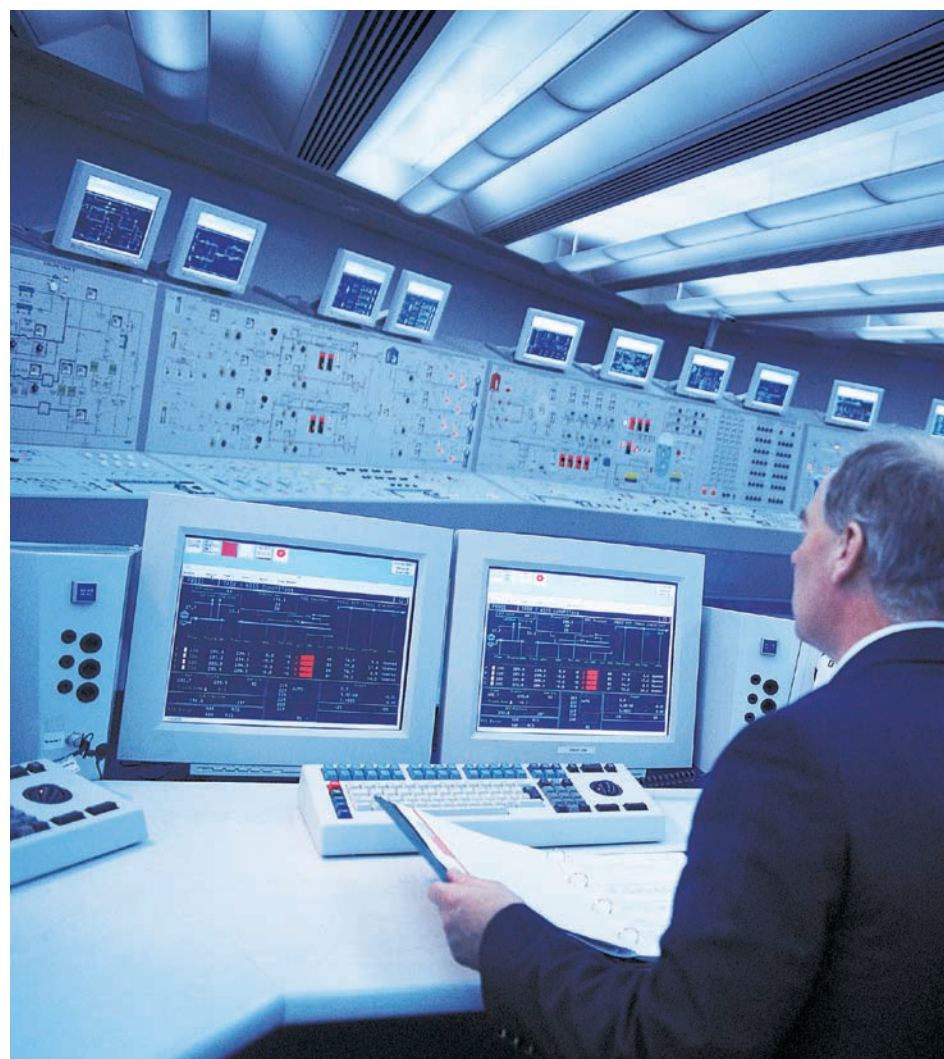
Communication with power plants

Power suppliers 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.

According to § 6 of the "Law for the new regulation of the law of renewable energies in the power sector and for the change of related regulations" ("German Renewable Energy Sources Act" - EEG of October 25, 2008 (BGBl. I S. 2074), last by Article 12 of the law of December 22, 2009 (BGBl. I S. 3950)), system operators are

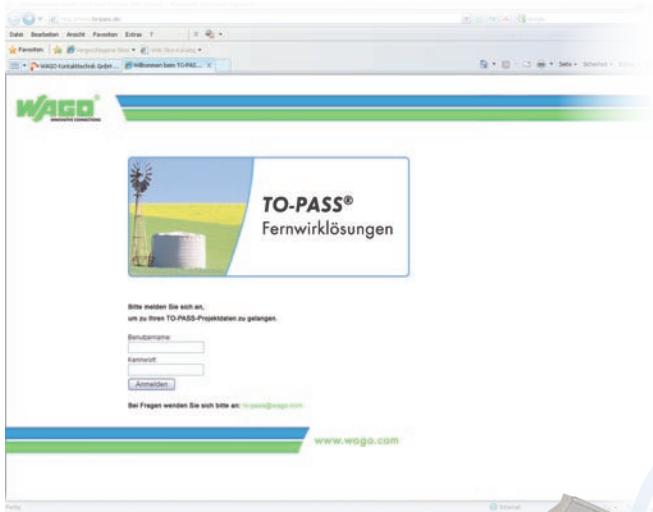
obligated, if their output exceeds 100 kilowatts, to be equipped with technical or operational equipment that the network operator may access for remote-controlled reduction of the feed-in power in case of network overload and to call off the respective actual feed-in.

Simply put: the power supplier can reduce the power output of the PV plant via centralized telecontrol signals. The WAGO-I/O-SYSTEM can receive the telecontrol signals and switch off appropriate components per the required power reduction. The measured line currents can also be used for evaluation.



IEC 60870, IEC 61850,

System operator/Power supplier



TO-PASS® telecontrol module, 761 Series

telecontrol signals, fault messages

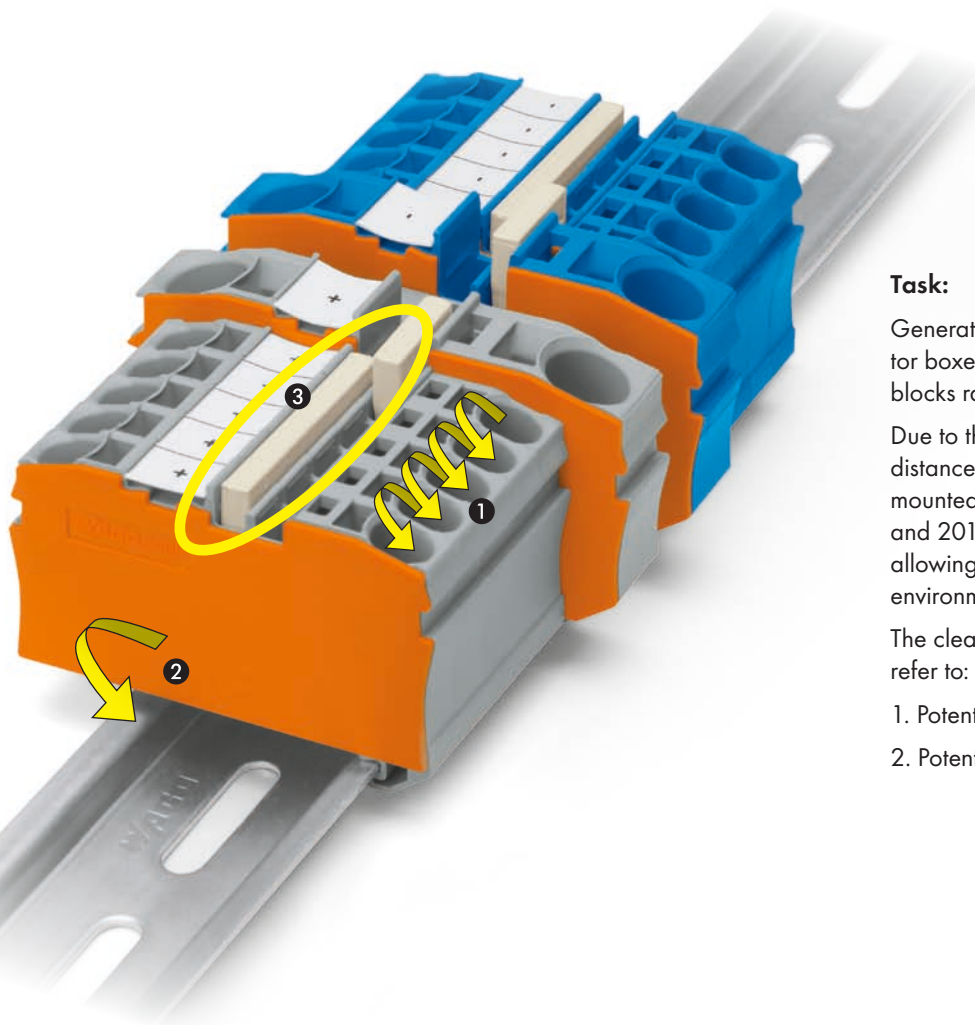


↔ Solar power plant



1000V Potential Block for Photovoltaic Systems

TOPJOB®S Rail-Mounted Terminal Blocks up to 1000V in Generator



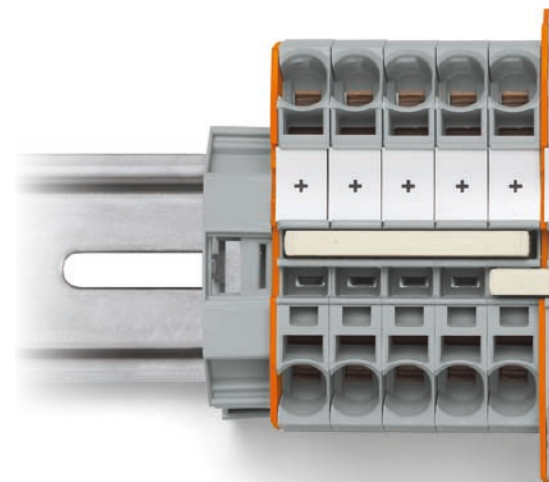
Task:

Generator connection and line collector boxes require rail-mounted terminal blocks rated at 100VDC.

Due to their clearances and creepage distances, WAGO's TOPJOB®S rail-mounted terminal blocks (2006, 2010, and 2016 Series) are rated at 800V, allowing operation in pollution degree 3 environments.

The clearances and creepage distances refer to:

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



Connection Boxes

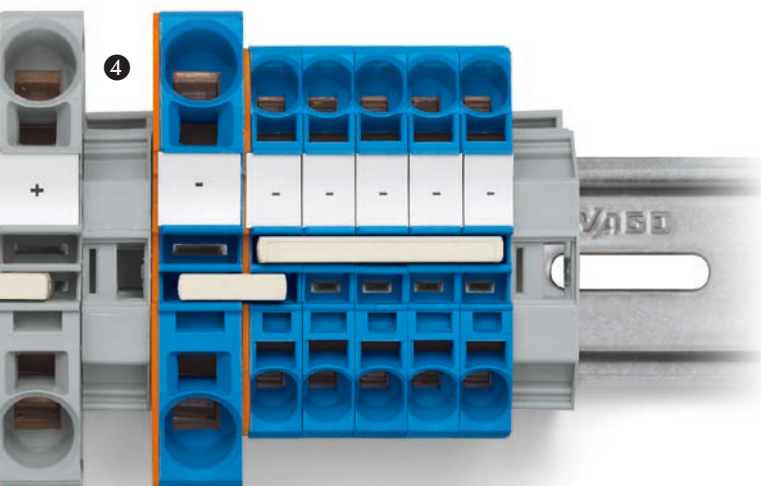
Requirements for 1000V:

By commoning individual terminal blocks, it is possible to achieve a common potential ③.

This eliminates potential-to-potential clearances and creepage distances.

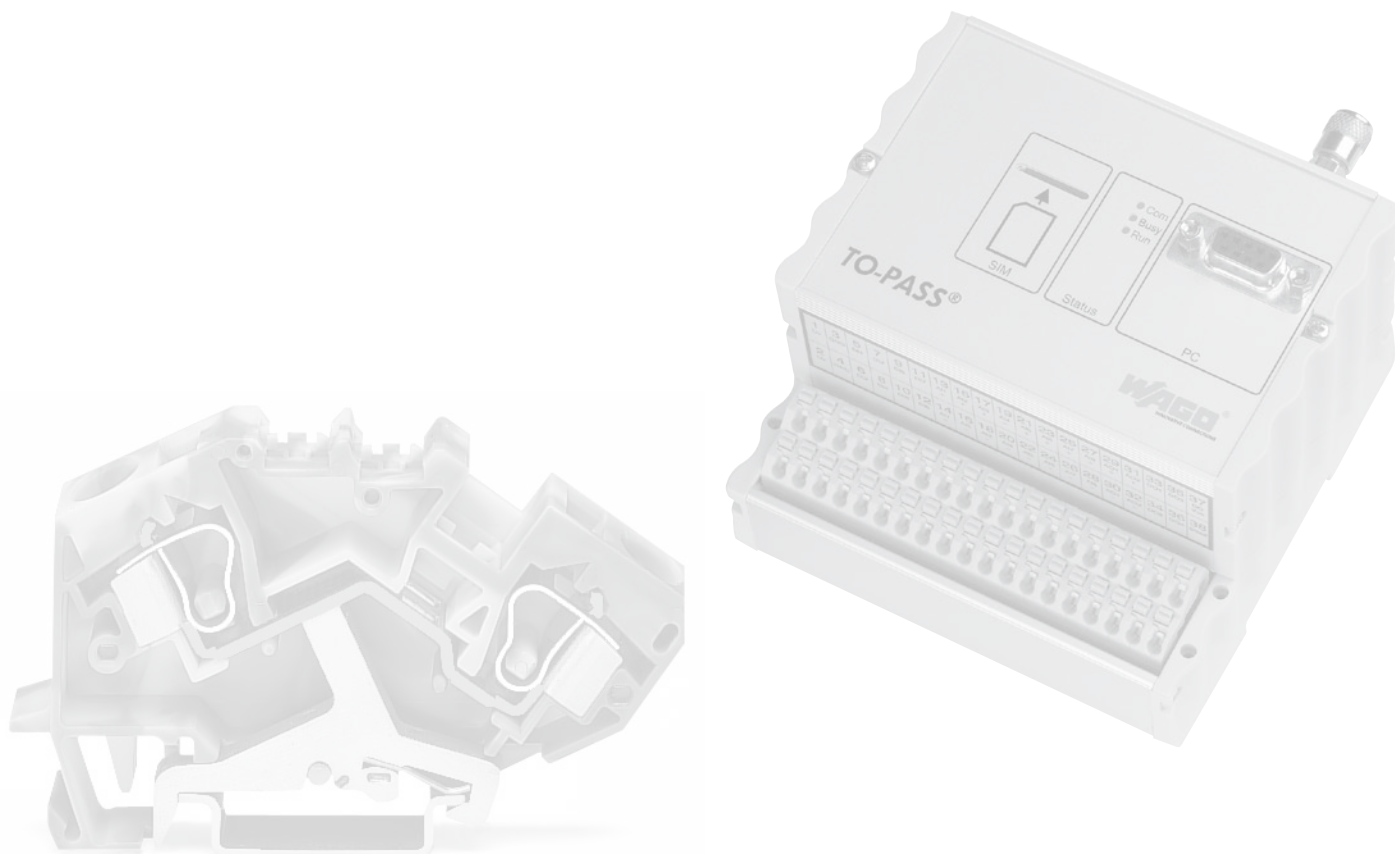
The remaining clearances and creepage distances from potential to carrier rail are sufficient for 1000V applications.

Blocks with differing potentials (+, -) mounted next to each other on a carrier rail are separated by an end stop that is at least 6mm wide ④.










WAGO Products

for Photovoltaic Systems



Products “Electrical Interconnections”

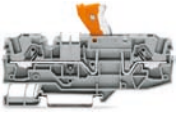
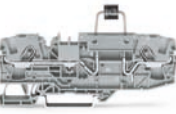
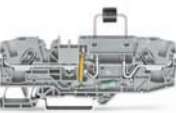
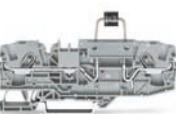
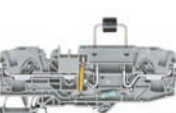





	Description	Series Name	Item No.	Technical Data	Comments	Catalog Reference
	Through terminal block, gray	TOPJOB® Classic	782-601	0.2 - 6 mm ² 1000 V / 8 kV / 3 600 V, 30 A  I _n 41 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.255
	Through terminal block, blue	TOPJOB® Classic	782-604	0.2 - 6 mm ² 1000 V / 8 kV / 3 600 V, 30 A  I _n 41 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.255
	Ground conductor terminal block, green-yellow	TOPJOB® Classic	782-607	0.2 - 6 mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.255
	Through terminal block, gray	TOPJOB® Classic	784-601	0.2 - 10 (16) mm ² 1000 V / 8 kV / 3 600 V, 50 A  I _n 57 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.255


	Description	Series Name	Item No.	Technical Data	Comments	Catalog Reference
	Through terminal block, blue	TOPJOB® Classic	784-604	0.2 - 10 (16) mm ² 1000 V / 8 kV / 3 600 V, 50 A  I _N 57 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.255
	Ground conductor terminal block, green-yellow	TOPJOB® Classic	784-607	0.2 - 10 (16) mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.255
	Through terminal block, gray	TOPJOB® Classic	783-601	0.2 - 16 mm ² 1000 V / 8 kV / 3 600 V, 65 A  I _N 76 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.256
	Through terminal block, blue	TOPJOB® Classic	783-604	0.2 - 16 mm ² 1000 V / 8 kV / 3 600 V, 65 A  I _N 76 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.256
	Ground conductor terminal block, green-yellow	TOPJOB® Classic	783-607	0.2 - 16 mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 5.256
	Through terminal block, gray	TOPJOB®S	2006-1201	0.5 - 6 (10) mm ² 800 V / 8 kV / 3 600 V, 50 A  I _N 41 A (57 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.60
	Through terminal block, blue	TOPJOB®S	2006-1204	0.5 - 6 (10) mm ² 800 V / 8 kV / 3 600 V, 50 A  I _N 41 A (57 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.60
	Ground conductor terminal block, green-yellow	TOPJOB®S	2006-1207	0.5 - 6 (10) mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.60
	Through terminal block, gray	TOPJOB®S	2006-1301	0.5 - 6 (10) mm ² 800 V / 8 kV / 3 600 V, 50 A  I _N 41 A (57 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.60
	Through terminal block, blue	TOPJOB®S	2006-1304	0.5 - 6 (10) mm ² 800 V / 8 kV / 3 600 V, 50 A  I _N 41 A (57 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.60
	Ground conductor terminal block, green-yellow	TOPJOB®S	2006-1307	0.5 - 6 (10) mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.60
	Through terminal block, gray	TOPJOB®S	2010-1201	0.5 - 10 (16) mm ² 800 V / 8 kV / 3 600 V, 65 A  I _N 57 A (76 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.61






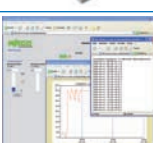


Products

“Electrical Interconnections”

	Description	Series Name	Item No.	Technical Data	Comments	Catalog Reference
	Through terminal block, blue	TOPJOB®S	2010-1204	0.5 - 10 (16) mm ² 800 V / 8 kV / 3 600 V, 65 A  I _n 57 A (76 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.61
	Ground conductor terminal block, green-yellow	TOPJOB®S	2010-1207	0.5 - 10 (16) mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.61
	Through terminal block, gray	TOPJOB®S	2010-1301	0.5 - 10 (16) mm ² 800 V / 8 kV / 3 600 V, 65 A  I _n 57 A (76 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.61
	Through terminal block, blue	TOPJOB®S	2010-1304	0.5 - 10 (16) mm ² 800 V / 8 kV / 3 600 V, 65 A  I _n 57 A (76 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.61
	Ground conductor terminal block, green-yellow	TOPJOB®S	2010-1307	0.5 - 10 (16) mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.61
	Through terminal block, gray	TOPJOB®S	2016-1201	0.5 - 16 (25 "f-st") mm ² 800 V / 8 kV / 3 600 V, 85 A  I _n 76 A (90 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.62
	Through terminal block, blue	TOPJOB®S	2016-1204	0.5 - 16 (25 "f-st") mm ² 800 V / 8 kV / 3 600 V, 85 A  I _n 76 A (90 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.62
	Ground conductor terminal block, green-yellow	TOPJOB®S	2016-1207	0.5 - 16 (25 "f-st") mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.62
	Through terminal block, gray	TOPJOB®S	2016-1301	0.5 - 16 (25 "f-st") mm ² 800 V / 8 kV / 3 600 V, 85 A  I _n 76 A (90 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.62
	Through terminal block, blue	TOPJOB®S	2016-1304	0.5 - 16 (25 "f-st") mm ² 800 V / 8 kV / 3 600 V, 85 A  I _n 76 A (90 A)	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.62
	Ground conductor terminal block, green-yellow	TOPJOB®S	2016-1307	0.5 - 16 (25 "f-st") mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.62
	Through terminal block	TOPJOB®S	2006-1601 gray 2006-1604 blue	0.5 - 6 (10) mm ² 800 V / 6 kV / 3 I _n 30 A	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.86

	Description	Series Name	Item No.	Technical Data	Comments	Catalog Reference
	Disconnect terminal block	TOPJOB®S	2006-1671 gray 2006-1674 blue	0.5 - 6 (10) mm ² 800 V / 6 kV / 3 I _N 30 A	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 1.86
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0100	0.5 - 6 (10) mm ² 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	Data sheet
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0300	0.5 - 6 (10) mm ² 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	Data sheet
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0400	0.5 - 6 (10) mm ² 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	Data sheet
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0600	0.5 - 6 (10) mm ² 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	Data sheet
	Diode terminal block	TOPJOB®S	2006-0001/ K999-9999/ 0000-0700	0.5 - 6 (10) mm ² 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	Data sheet
	Diode terminal block		288-142	0.2 - 6 mm ² 1200 VDC Peak reverse voltage 8 A	IP00* Touch-proof protection is to be ensured by the system installer, e.g. with a WAGO 709 Series Cover	Data sheet
	* Cover, type 1		709-153			Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 13.483
	* Cover carrier, type 1		709-167			Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 13.483
	High-current through terminal block, gray	POWER CAGE CLAMP®	285-135	6 - 35 mm ² 1000 V / 8 kV / 3 600 V, 115 A  I _N 125 A	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 10.396 ff
	High-current through terminal block, blue	POWER CAGE CLAMP®	285-134	6 - 35 mm ² 1000 V / 8 kV / 3 600 V, 115 A  I _N 125 A	1000 VDC see page 18-19	Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 10.396 ff
	High-current ground conductor terminal block, green-yellow	POWER CAGE CLAMP®	285-137	6 - 35 mm ²		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 10.396 ff

	Description	Series Name	Item No.	Technical Data	Comments	Catalog Reference
	Disconnect/test terminal block	Rail-mounted terminal blocks for front-entry wiring	282-860	0.2 - 6 mm ² 500 V / 6 kV / 3 600 V, 30 A  I _n 30 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 3.174
	Disconnect terminal block	Rail-mounted terminal blocks for front-entry wiring	282-821	0.2 - 6 mm ² 500 V / 6 kV / 3 600 V, 30 A  I _n 30 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 3.177
	Feedthrough terminal block	Feedthrough terminal blocks	828-334	1.5 - 16 mm ² 1000 V / 8 kV / 3 600 V, 30 A I _n 41 A		New Items: Autumn 2010, Electrical Interconnection Technology N 1/2/5, page 1.103
	PCB terminal strips with operating levers	PCB terminal strips	2706-01xx	0.5 - 6 mm ² 630 V / 6 kV / 2 I _n 41 A		New Items: Autumn 2010, Electrical Interconnection Technology N 1/2/5, page 1.99
	PCB terminal strips with operating levers and jumper slots	PCB terminal strips	2706-02x 2706-03x	0.5 - 6 mm ² 1000 V / 8 kV / 2 I _n 41 A		New Items: Autumn 2010, Electrical Interconnection Technology N 1/2/5, page 1.99
	PCB terminal strips with operating levers	PCB terminal strips	2706-015x 2706-025x	0.5 - 6 mm ² 1000 V / 8 kV / 2 I _n 41 A		New Items: Autumn 2010, Electrical Interconnection Technology N 1/2/5, page 1,101
	PCB terminal strips with operating levers	PCB terminal strips	2716-10xx	1.5 - 16 mm ² 320 V / 4 kV / 2 150 V, 55 A  I _n 76 A		Full Line Catalog 2010/2011 Connectors and PCB Terminal Blocks, Volume 2, page 1.107
	PCB terminal strips with operating levers	PCB terminal strips	2716-20x	1.5 - 16 mm ² 1000 V / 8 kV / 2 600 V, 65 A  I _n 76 A		Full Line Catalog 2010/2011 Connectors and PCB Terminal Blocks, Volume 2, page 1.107
	PCB terminal strips with operating levers	PCB terminal strips	2716-15xx	1.5 - 16 mm ² 320 V / 4 kV / 2 150 V, 55 A  I _n 76 A		Full Line Catalog 2010/2011 Connectors and PCB Terminal Blocks, Volume 2, page 1.109
	PCB terminal strips with operating levers and jumper slots	PCB terminal strips	2716-25x	1.5 - 16 mm ² 1000 V / 4 kV / 2 600 V, 65 A  I _n 76 A		Full Line Catalog 2010/2011 Connectors and PCB Terminal Blocks, Volume 2, page 1.109
	4-conductor chassis-mount terminal strips, 2- to 5-pole	Compact terminal strips	862-xxxx	0.5 - 4 mm ² 500 V / 6 kV / 3 300 V, 20 A  I _n 32 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 2.113-2.115
	2- and 4-conductor terminal strips with fixing flanges, 2- to 12-pole	Terminal strips	262-xxx	0.08 - 4 mm ² 630 V / 8 kV / 3 300 V, 20 A  I _n 24 A		Full Line Catalog 2009/2010, Rail-Mounted Terminal Block Systems, Volume 1, page 9.387

	Description	Series Name	Item No.	Technical Data	Comments	Catalog Reference
	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	New Items N 3/4 I/O SYSTEM/Interface Modules Autumn 2010, page 1.66
	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	Full Line Catalog 2010/2011, I/O-SYSTEM, Volume 3
	Fieldbus couplers/controllers 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	Full Line Catalog 2010/2011, I/O-SYSTEM, Volume 3
	Telecontrol modules	TO-PASS®	761-11x 761-21x	Compact telecontrol modules 8 AI, 8 DI, 2 AO, 4 DO, GSM/GPRS/SMS, DC 10-36 V	-20 °C ... +70 °C	Data sheet, see www.wago.com
	Telecontroller	WAGO-I/O-SYSTEM	750-872	Programmable controller IEC 60 870-101/104 IEC 61850 IEC 61400-25	Telecontrol protocol	Full Line Catalog 2010/2011, I/O-SYSTEM, Volume 3, page 1.114
	Web portal	TO-PASS®	761-700	Internet visualization with measurement value history and alarm management		Full Line Catalog 2010/2011, I/O SYSTEMS, Volume 3, page 3.367
	Switches	Industrial switches	852-xxx			Full Line Catalog 2010/2011, I/O-SYSTEM, Volume 3, page 4.376 ff
	Power supplies	EPSITRON®	787-xxx	Network devices, buffer and redundancy modules, USP, electronic circuit breakers	-10 °C ... +70 °C	Full Line Catalog 2010/2011, I/O-SYSTEM, Volume 3, page 4.236 ff

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





www.wago.com/epa

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



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