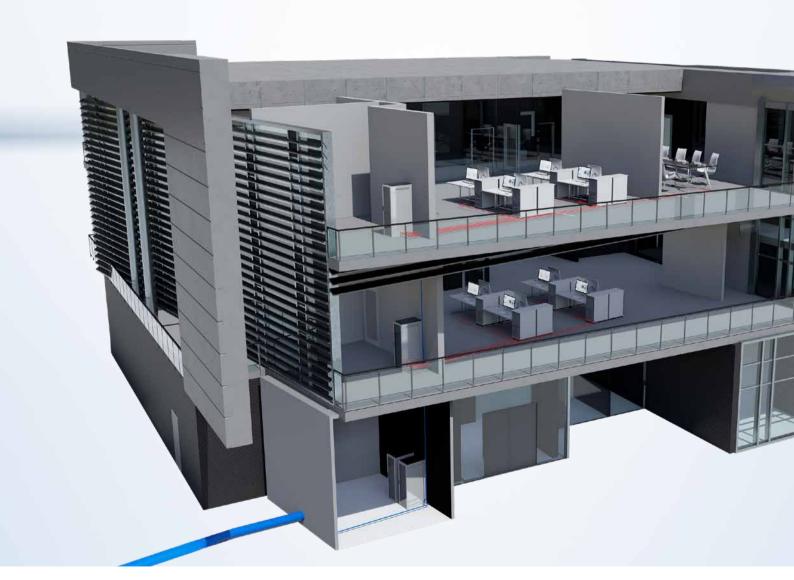


Building automation and cabling infrastructure

METZ CONNECT Highlights at a glance



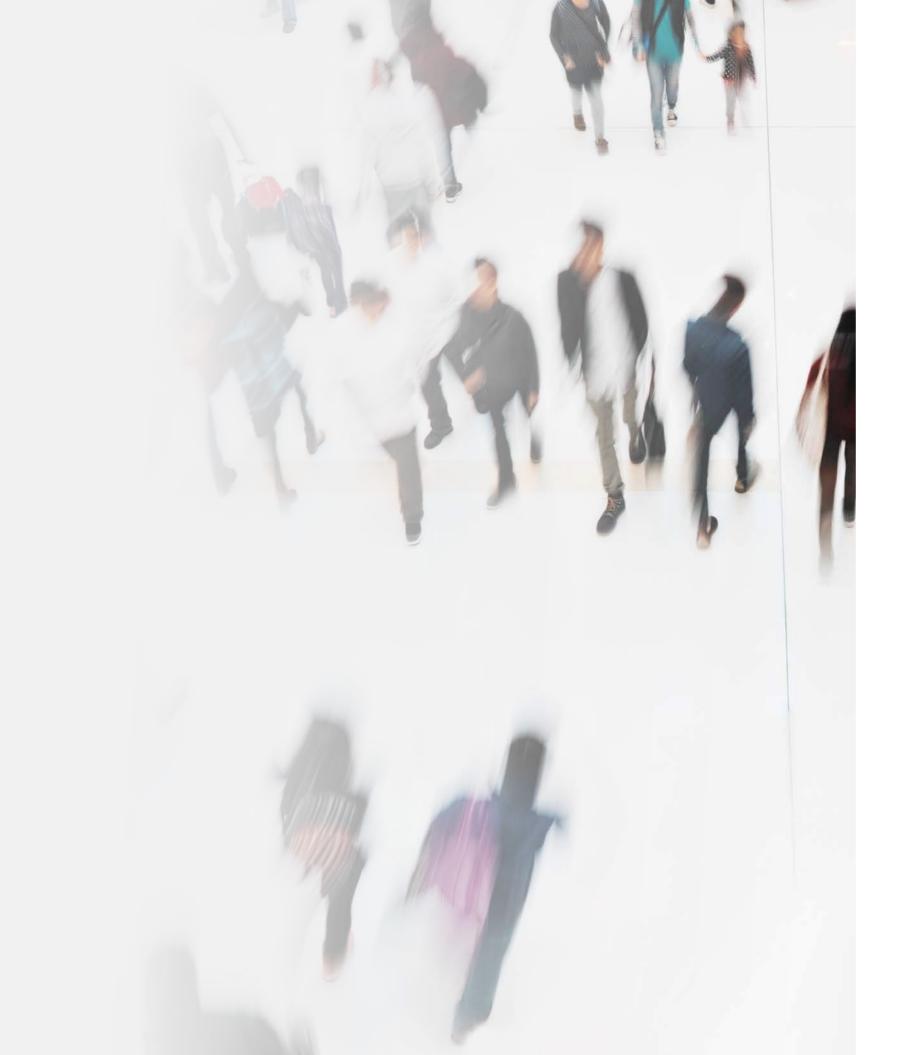


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METZ CONNECT

YOUR Partner for Company-wide Networking

Around the world, METZ CONNECT products guarantee safe and reliable connections for smooth information flow – from the circuit board to the infrastructure environment. Highly specialized, internationally standardized and high-performance network solutions in WLAN, copper and fiber optic technology impress with simple installation, maximum quality and highest systems capability across all relevant performance classes.

P | Cabling

Cabling Solutions for Networks

Copper and fiber optic components as well as WLAN solutions and automated infrastructure management for structured network cabling.

U | Contact

Connection Technology

Circuit board connection technology for connecting devices and controllers in building and industrial automation.

C Logline

Intelligent System Components

Intelligent system and switch cabinet components for building and process automation.



Our Competencies

From standard to customized development

METZ CONNECT is a successful, internationally growing family-owned company that employs more than 900 people worldwide. The METZ CONNECT Group has been synonymous with high quality in the field of contact technology and connecting elements in the electrical engineering and electronics sectors for over four decades.

CONSULTING AND CONCEPTION PRODUCT DEVELOPMENT



SPECIAL MACHINE PLASTIC INJECTION MOLDING CONSTRUCTION



LABORATORY



TOOL AND MOLD MAKING



PUNCHING SHOP TOOL



AUTOMATED ASSEMBLY

FIBER OPTIC MANUFACTORY





Home Networking



Home Networking Fiber In The Home

The advancement of new communication and information technologies leads to the fact that more and more media and communication devices can be found in the home. Ever higher Internet, uploads to the cloud, and even home offices. For a continuous and smooth data transfer, residential buildings are increasingly equipped with a fiber optic connection (Fiber to the Home, abbrev: FTTH).

FTTH means that data transmission from the exchange to the customer's connection is entirely via optical fiber. A fiber-optic home connection is installed in the building, with the cabling inside a house or apartment running via copper cabling from the provider's network connection device. This means that users can enjoy speeds of 10 Gbit/s and more.

From FTTH to FITH

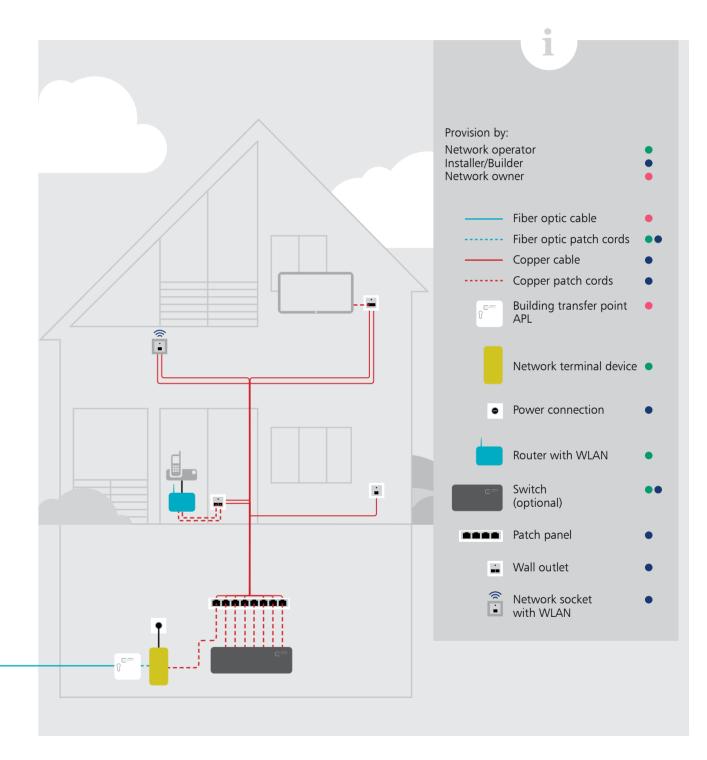
The network owner (e.g. municipality or municipal association) lays a fiber-optic line to the home (network level 3) as part of the network expansion. To this end, the end customer concludes a house connection contract with the network operator. The line ends in the basement, for instance, at the APL house transfer point. From network level 4 (house distribution | network level 5 apartment distribution), the provision of suitable cabling is the responsibility of the owner of the building, and the installation is carried out by an installer.

This means for a single-family house: The network termination device provided by the network operator, which is installed near the APL, requires a power connection. For an apartment data rates are required for smart home applications, IP TV with building, a fiber optic distributor must be placed in the base-HDTV, streaming, downloads of large data volumes from the ment and fiber optic cables laid to the individual apartments. These end at the respective apartment transfer point.

> Once the house connection has been installed and the cabling laid, the owner can arrange for the network operator to install the network termination device. A signal supply contract must have been concluded before this can be done. The network termination device supplies the router and the terminal devices with fast Internet.

> In order to implement the best possible solutions here, it is beneficial if one can rely on manufacturers who provide end-toend support for the installation of advanced network solutions with products and services - from the house transfer point through fiber optic and copper cabling to WLAN solutions. After all, Fiber in the Home cabling systems are high-quality and durable data highway connections for single-family and multi-family homes and should be technically prepared for future applications. Also, the systems should interconnect various home network and communication technologies such as telephone systems, consumer electronics, household appliances, surveillance cameras, door intercoms, lighting and access control systems, and smart home applications. Ideally, the applications will enable further monitoring, control, regulation and optimization capabilities from home or on the go.

Detached House



Home Networking Fiber Optic Components

Once installed – enjoy unlimited freedom!

Fiber Optic Installation Cable

Application area, number of fibers or fiber class. With our high selection of fiber optic installation cables, we always have the right cable for your future-ready network.

The best cables for your FITH cabling:

- 2.3 mm is easy to install and highly suitable for splice connections.
- > Mini-Breakout Compact The robust 4.5 mm cable offers high mechanical stability and is ideally suited for the installation of field plugs.
- > Universal cable For outdoor installation such as building connection. Without plug, number of fibers between 4 and 48.





FO Patch Cords

For fiber optic cabling, we offer patch cords in different lengths in fiber types OS2 (singlemode) and OM2 to OM5 (multimode) and with all common connector types. For your fiber in the home cabling:

> Fiber optic patch cord – For connecting the house transfer point or network termination device. Length available from 0.2 to 10 m.



Fiber Optic Wall Distributor / Housing

High-quality distributor housings for wall mounting. Individually applicable for your application. The housings ensure easy handling and thus less time for the installation. We offer these in different sizes with different couplings and performance classes. For your fiber in the home cabling:

to 8 fibers.

- > House transfer point APL The house transfer --> Apartment transfer point without cable drum point is the termination of the street network and the starting point of in-home cabling.
- > Apartment transfer point with cable drum - The apartment transfer point connects the apartment with the central distribution box of > Wall distributor – A central distribution box for the house. The preconfigured cable makes installation quick and easy.
- (ADT) This apartment transfer point is suitable for the subsequent installation of pre-assembled cables or for splicing installation cables with up
 - structured routing of the fiber optic cables to the apartments.





Home Networking Copper Components

For a smooth data flow in the building

Wall Outlets

We provide junction box solutions for structured cabling that ensure maximum flexibility. Whether modular or compact wall outlets, underfloor units or DIN rail outlets, we have a range of options in different performance classes for copper (RJ45) and FO wall outlets with different numbers of ports. In addition to solutions with module installation form, we also carry keystone installation form.



- > Flush-mounted network socket with one or two RJ45 jacks
- > Surface-mounted wall outlet with one or two RJ45 jacks

Consolidation Point (CP) | Service Concentration Point (SCP) | Service Outlet (SO)

Whether as a classic collection point distributor/consolidation points in the tertiary cabling or as a service concentration point for distributed building services for decentralized floor distributors, the wall-mounted, ceiling-mounted or floor-mounted housings for mounting modular connections (copper and fiber optic) are versatile for decentralized distribution of network cabling. Service outlets can be regarded as terminal outlets or subscriber connections and serve, for example, as unconventional wall outlets for devices in the field of distributed building services.



> Module AP housing 6/12/16, unassembled – for single modules in modular design

Access Points

An access point interconnects users with other users in the network and can also act as a connection point between the wireless network and the wired network (LAN). The perfect solution for you is created in conjunction with the user-friendly configuration app for W-DAT Line WLAN access points. METZ CONNECT offers plug+play and thus easy-to-use access points.



- > W-DAT Line PoE AP-300 UPO plug With RJ45 jack on the rear for connection to a standard PoE switch according to PoE 802.3 af/at
- > W-DAT Line PoE AP-300 UPO LSA With LSA terminal on the back for connection to a standard PoE switch according to PoE 802.3 af/a



We provide the twisted pair installation cables in different wire cross sections, shieldings, lengths and performance classes like Cat.6_A, Cat.7 and Cat.7_A for a future-proof network. Further cable variants

> Ethernet installation cable – MC GC1300 pro22 Cat.7_A S/FTP 4P LSHF-FR 500 m. fire performance: Class D_{ca} s2 d2 a1 suitable for 10 Gigabit Ethernet

Patch Cords

Patch cords from METZ CONNECT are the solution for your application in structured building cabling. Our high-quality patch cords are used where high-speed data transmission in local area networks (LAN) is required.



> Patch cord Cat.6 Ultraflex500 VoIP AWG 26 - Especially suitable for unshielded and shielded Class E_A systems, available in white, gray and black; lengths from 0.3 to 20 m available



Patch Panels

For the distribution of structured cabling, we offer patch panels, module or subracks with suitable accessories for copper and fiber optic connections in modular or compact design in different performance classes, height units and with different port numbers.

> Multimedia distributor - 12; 16; 24 Port - module holder empty for mounting data, COAX and fiber optic modules, mounting types: Module



RJ45 Plugs and Sockets

The innovative, robust, high-quality and high-performance RJ45 connectors from METZ CONNECT are part of the basis of a reliable network infrastructure. The connection technology of the field-assembled RJ45 plugs and jacks makes installations quick, effortless and easy without special tools.



- > Field-assembled RJ45 plug, C6_A RJ45 field plug pro For direct connection, e.g. access-point camera suitable for 10 Gigabit Ethernet
- > C6_Amodule 180° Jack Modular Cat.6_A Connection unit RJ45 suitable for 10 Gigabit-Ethernet. For installation in module AP housing and network socket











Office Solutions



Office Solutions Cabling Solutions for Networks

Structured cabling or universal building cabling is a uniform structure plan for a future-oriented and application-independent network infrastructure on which different services (voice or data) are transmitted. The aim is to avoid expensive incorrect installations and extensions, and to facilitate the installation of new network components. With products from METZ CONNECT, you are optimally networked: From floor distribution (patch panels, patch cables), to installation lines in copper and fiber optics, to subscriber connection (wall outlets) and much more.

Cables and Wires in Copper and Fiber Optics

mission in local area networks (LAN) is required. tion-neutral networks with transmission speeds connection components.

The decision of whether to use fiber optic or from 100BaseT to 25 GBit Ethernet. Apart from copper data cables as the ideal solution up to voice and data communication, our solutions are the workstation depends on many factors; the also suitable for remote power supply of various application environment, the network base, and end devices via Power over Ethernet (4PPoE up to the planning horizon. Our high-quality cables 100 W) as well as high-end 4K video, e.g. HDBaare always used where high-speed data trans- seT. Our product range consists of, among other things, installation and connection cables that The cables are used for structured and applica- have been tested for compatibility with common



Pre-assembled Fiber Optic Installation Cables

Pre-assembled installation cables (VIK) are fiber optic cables equipped with plugs on one or both sides, which are manufactured under the highest quality standards in manual individual production.



Fiber Optic Cabling | Plugs and Couplings for Network Cabling

For fiber optic transmission, we offer plugs and couplings in different performance classes like OS2 for singlemode and OM2 to OM5 for multimode connections in protection classes IP20 and IP67.

- > OpDAT FASTTM hybrid plug for Singlemode
- > OpDAT FASTTM plug for Multimode

- > OpDAT Adapters
- > OpDAT REGpro
- > OpDAT Wall Distributor
- > OpDAT Consolidation Point



Copper Cabling | Plugs and Sockets

The portfolio with RJ, SPE, USB, M12, coax and FO connectors for cabling systems offers a wide range of plugs and sockets in different performance and protection classes for copper and FO connections.

- > 10/100 MBit. 10 GBit and 25 GBit Ethernet systems
- > simple mounting without special tools
- > robust zinc diecast casing
- > Suitable for PROFINET, EtherNet/IP, EtherCAT, etc., Remote Powering (PoE, PoE plus and 4PPoE) and HDBaseT, AV over IP, SAT-IP, etc.





Patch Panels and Patch Cords

For structured cabling distribution, we offer patch panels, modules, or subracks with suitable accessories for copper and fiber optic connections in modular or compact designs in different performance classes, height units, and different port numbers.



- > for copper and fiber optic connections
- > modular or compact design
- > Cat.5, 5e, 6, 6_A
- > DCCS Data Center Compact Solutions for up to 48 ports in one height unit

Patch cords:

- > Ethernet Cat.6_^ up to 40 GBit Ethernet
- > seven colors. 0.5 m to 30 m long



Subscriber Connections – Terminal Casing for Copper and Fiber Glass Plug Connections

- > Wall outlets
- > Top-hat rail adapters
- > Under-floor systems

- > Surface-mounted distributors
- > Consolidation points







Office Solutions Distributed Building Services

Digital Ceiling in the field of network technology can be understood in a sense as the digital ceiling. This means the integration of, for example, intelligent PoE LED lighting, sensors, customized WAPs for each workstation and other Ethernet & Power-over-Ethernet applications in the suspended ceiling.

Basic Components for Distributed Building Services

- > Network infrastructure/cabling
- > Switches with PoE for data exchange and power supply as central interface
- > Network-capable sensors and actuators with IP interface
- > Software for data acquisition, analysis evaluation and control

Benefits

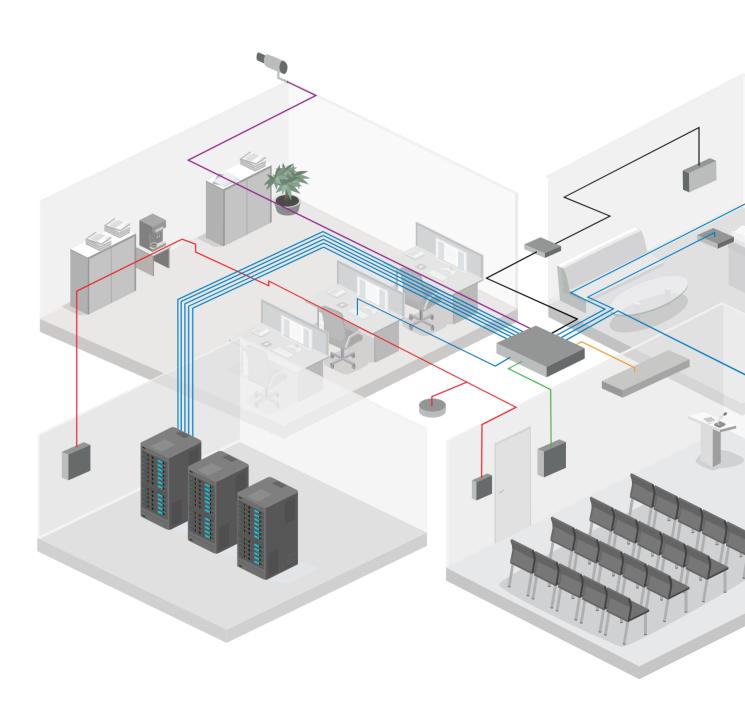
- > Combination of many building control and building automation systems into one
- > Merging of different proprietary cabling solutions for the respective applications/ systems into one
- > New intelligent applications with lower voltage power supply
- > Increase in energy efficiency

Actuators/Devices for Various Applications

- > Intelligent lighting
- > Air conditioning systems, ventilation, or heating
- > Security systems
- > Access control

- > Cost savings
- > Low installation and operating costs
- > Simple, fast, variable, and easily accessible installation, new or retrofit
- > Easy ceiling mounting in the low voltage range
- > Setup and configuration via software or mobile app, cabling for data transmission and power supply





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Data Network Technology for Schools Networking for the Future – Digital School

With the DigitalPakt Schule (Digital Pact for Schools), the federal and state governments want to ensure that schools are better equipped with digital technology. The federal and state governments have signed the administrative agreement for the DigitalPakt to help achieve this goal. Prior to this, the Bundestag (German parliament) and Bundesrat (German upper house) amended Article 104c of the German Basic Law, thus creating the constitutional basis for the DigitalPakt Schule. The pact consists of at least 5.5 billion available euros. In purely arithmetical terms, this means an average of 137,000 euros for each of the approximately 40,000 schools in Germany.

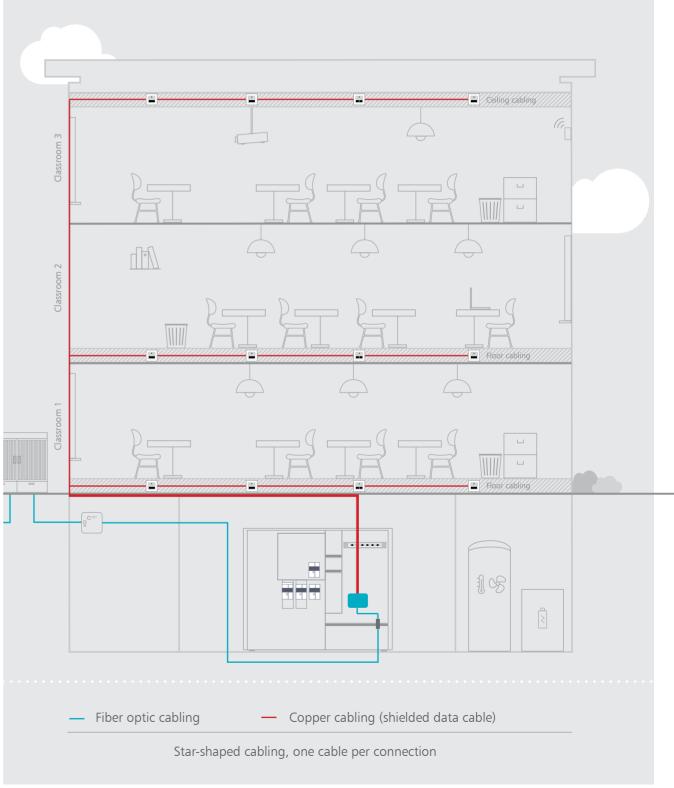
Connection to the Broadband Network

also increasingly equipped with a fiber optic connection (Fiber width assurance directly at the local loop, e.g. in classrooms. to the Home, abbreviated as FTTH). In order for the available METZ CONNECT provides a comprehensive forward-looking, bandwidth to reach the classrooms, the administrative rooms, future-oriented network solution for your school that optimally and the entire infrastructure of the building, continuous strucmeets these requirements.

For a continuous and smooth data transfer, school buildings are tured network cabling is required. This then provides band-

They offer the ability to integrate internal and external processes so that they can be efficiently controlled and monitored. METZ CONNECT supplies end-to-end, intelligent copper and fiber optic network components for future-proof networking, maximum protection, optimal process control, and efficient energy controlling.

Multimedia in Schools



Exemplary representation

Solutions for Data Centers



Solutions for Data Centers Solutions for Data Centers

MPO/MTP® Plug Connections

MPO/MTP® connectors are mainly used in data centers at transmission rates of e.g. 40 or 400 GBit/s. They are used to connect distribution technology, e.g. 19" panels, and active components such as servers or switches. METZ CONNECT CONNECT has significantly expanded its portfolio with MPO/ exclusively uses plugs and couplings from USCONEC, whose MTP® connectors. In addition to patch cords and core famodified MPO® variants are known under the trade name MTP®. From the MTP® product range, only plugs with Elite® ferrules are used. These have excellent values with regard to insertion loss and return loss.

Benefits

- > Manufacturing in fiber optic factory in Blumberg, Germany
- > High and very stable quality level
- > Customized solutions, short-term deliveries
- > Each product is 100% measured and documented over two wavelengths

MTP® is a registered trademark of US Conec Ltd., USA

MTP®/MPO Cable Assemblies

MTP®/MPO cable assemblies for fast and reliable fiber optic links offer an effective way for high and future-proof transmission rates and ensure a powerful and fast network. METZ nouts, trunk cables and cable fanouts with up to 96 fibers are now also manufactured. Various cable types such as universal or breakout cables are available, and different assembly variants, e.g. with pull-in aids or fixing sets.

- > All materials used have been tested for quality in an elaborate internal approval process
- > All cable types contain fibers that are insensitive to bending
- > Traceability thanks to serial number and barcodes

DCCS Compact Solutions Pre-assembled

The DCCS (Data Center Compact Solution) product range was developed specifically for data centers and their needs and extensively adapted to customer requirements in this area. The DCCS system is based on a 19 inch subrack with one height unit, in which pre-terminated copper and fiber optic links (subassemblies connected with cables) can be simply installed modularly. Various other subassemblies are available. Up to 48 copper or 48 fiber optic duplex/fiber optic MPO/MTP® connections and combinations of both transmission technologies can be accommodated on just one height unit.

25G Module Copper

The modules feature an extremely high system capability: They enable versatile use in a wide range of applications. The 25G system is universal and fully compatible – a prerequisite for transparent, efficient, and individual use of future-oriented network and cabling systems. Build the network infrastructure for tomorrow today. The minimal additional monetary expenditure offers you 2.5 times the transmission speed of a 10GBit system.

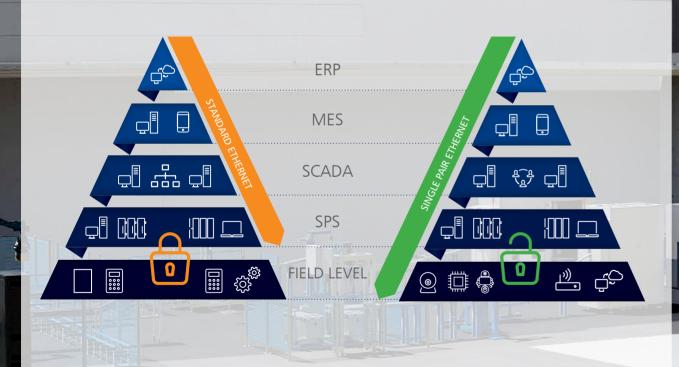


Single Pair Ethernet – SPE



ated with Ethernet interfaces as a result of the further devel-starting blocks.

For some time now, companies like METZ CONNECT have opment of Ethernet transmission technology and PoE power been working with transmission and cabling technologies supply of up to 90 W at present. In addition, an increased such as the IoT and IIoT networks of today and tomorrow. need for standardized, lean transmission technology is de-As fiber glass, 5G and WLAN transmission media become veloping, both in respect of the transmission protocol as in increasingly widespread, the justified question arises about respect of hardware, connectors and cabling – ideally right what is going to happen with twisted-pair network cabling. to the field level directly to the sensors and actuators. Sin-The good news here is that new applications are being cre-



Benefits of SPE

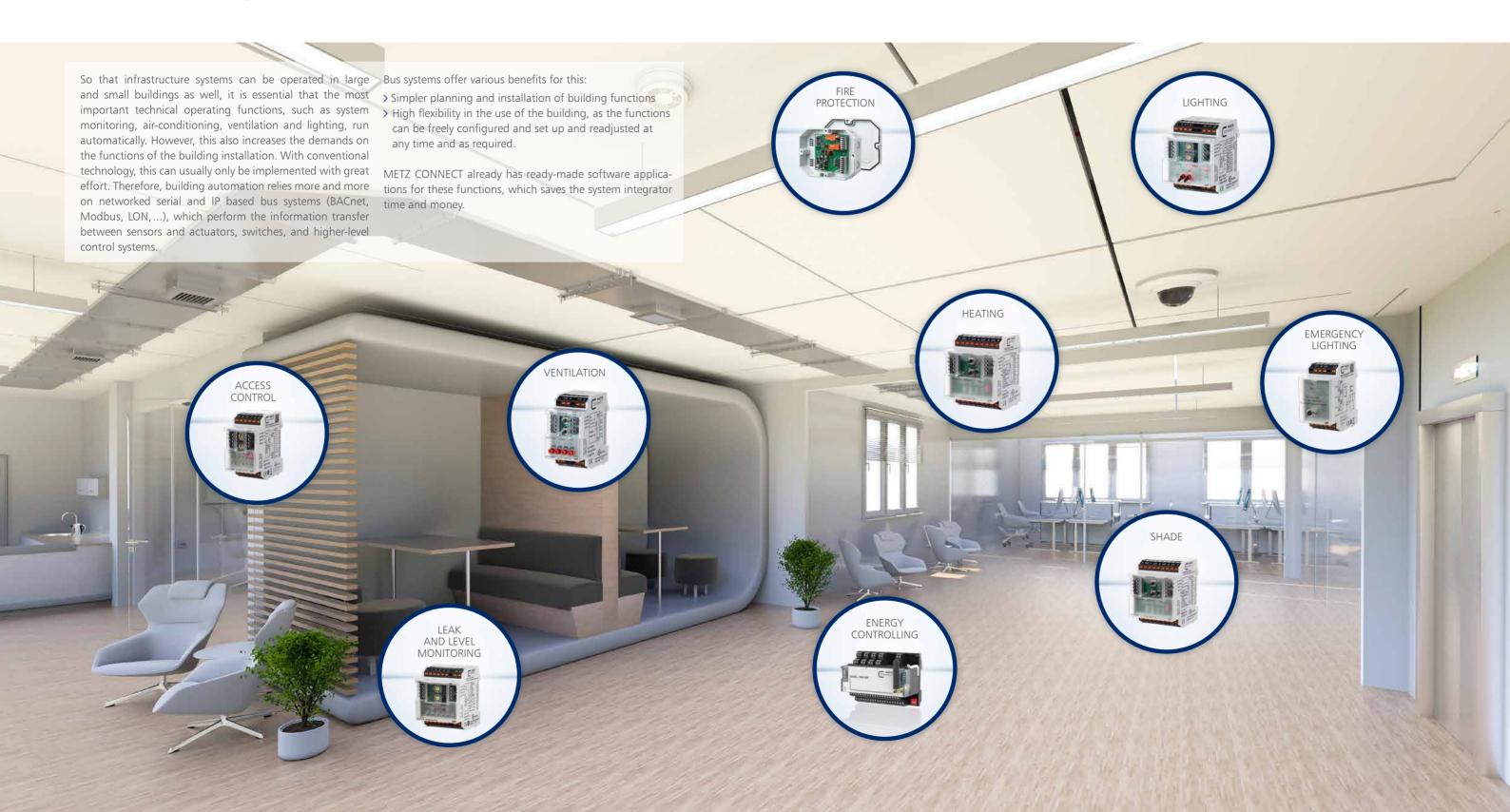
- > Universal Ethernet communication to the field level
- > Sensors and actuators become part of the IT infrastructure
- > Simpler implementation and operation
- > Reduced weight and space, up to 50 %
- > 10-times longer range, up to 1,000 m

*Switching states are to be changed for load-free systems

- > With TSN, a perfect infrastructure for IoT and IIoT
- > Data and power via one medium
- > Data transfer currently up to 1 GBit/s
- > PoDL Power over Data Line with up to 50 W*



Building Automation



Building Automation I/O Components

Automation in Buildings, Systems, and Machinery

Fire Protection/Fire Detection Technology

The fire protection and fire alarm or smoke extraction technology is one of the most important sets of controls in building automation. One component of sets of controls is, for example, fire dampers, Digital inputs, for example, are needed for the acquisition of the dampers. At the same time, however, the dampers should be controlled by the actuators via digital outputs. METZ CONNECT offers the combined digital mixing module XX-DIO4/2-IP for this, which has both functionalities.



Air-Conditioning

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In order to carry out switching jobs in this type of automated system, e.g. to switch an air-conditioning system, METZ CONNECT offers the digital relay output module XX-(F)-DO4 with 4 changeover contacts. Using the 4 switches on the front of the device, manual intervention is possible for the corresponding switch task.



Lighting

As there is a high switch-on load in most lighting switch circuits, a digital mixer module XX-(F)-DIO4/2 has been developed so that these lighting switch circuits are controlled directly with powerful relays. At the same time, the XX-(F)-DIO4/2 has digital inputs for direct connection of light switches for manual activation. This guarantees system availability if the controller is not available.



XX-F-DIO4/2

Sun Protection

Shutters and blinds can be controlled automatically as required. Because of the corresponding safety equipment for controlling the motors for the blinds, the XX-(F)-TP three-point module is the right device for controlling these drives.



XX_F_TP

Energy Controlling

Recording consumption by electricity, gas, heat, and water, for example, forms the basis of energy transparency. A so-called meter impulse module XX-(F)-SI4 has been specially developed for recording this consumption data. The module has 4 channels with a standard S0 pulse interface to which it is possible to connect 4 meters for various media.

METZ CONNECT – The Highlights by METZ CONNECT – Building Networking



Break-in and Access Control

The following functions are important in the context of break-in/access control: Display of open windows and doors, warning in the event of malfunction, break-in or emergency call. Digital inputs are needed in sets of automated controls so information about the status of windows or doors, for example, can be received. METZ CONNECT offers the 10 digital input module XX-(F)-DI10 for this so the status of doors and windows can be recorded by potential-free window and door contacts.



XX-F-DI10

Heating/Ventilation/Air-conditioning

Various I/Os are required for efficient temperature controls and ideal heat distribution. In order to record temperatures, among other things, analog inputs are needed for connecting the temperature sensors available on the market. METZ CONNECT has developed the universally programmable analog input module XX-(F)-Al8 for this with 8 available inputs. Different temperature sensors can be connected to these 8 inputs simultaneously.



XX-F-AI8

XX = BACnet, Modbus or LON F = with spring clamp technology



Building Automation Energy-Controlling

The $EWIO_2$ -M (Ethernet Web I/O 2nd Generation Bus) is a high-M-performance data logger for recording energy and consumption, as well as data monitoring in buildings, industrial plants, and systems. The many connections and interfaces enable the multi-protocol capability of the Smart Metering Gateway. It supports you in your activities in energy management systems according to DIN EN ISO 50001 to increase energy efficiency by integrating the MSR and HVAC technology to the building management system. With the EWIO₂-M, you unify functions of energy monitoring, building and industrial automation in one device.

The system's parameterization, configuration, and commissioning are performed using an intuitive web interface with a platform-independent web browser. Different meters, such as electricity, water, gas, heat, or other media, can be connected and read out at the M-Bus and Modbus RTU interface. The integrated digital and analog inputs and outputs of the EWIO₂-M are designed to connect sensors and actuators for different tasks in building or industrial automation.



- > Simple, fast cabling with jumper plug
- > Connection of expansion/function modules



> Push buttons and LEDs for manual operation and display



> Multi-I/O with 24 digital and analog inputs and outputs



- > Compact design for installation in an electrical installation distributor with 45 mm cap dimension
- > Minimum space requirement in the control cabinet 125 mm width (7HP)



> Easy to install and maintain with hardware management, electronics detachable from connection unit



> WLAN interface for configuration and connection to a WLAN network (operating modes: Infrastructure and Ad-hoc)



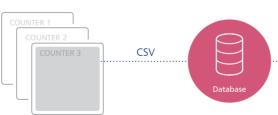
- > M-BUS interface with integrated level converter for 80 M-Bus loads
- > Readout of M-Bus meters (parameterizable readout interval)





> Controller with ARM Cortex-A7 Dual Core Processor 1GHz, 512 MB RAM and 4 GB Flash

> 2-port Ethernet switch with daisy chain function



T/M converter





Ethernet





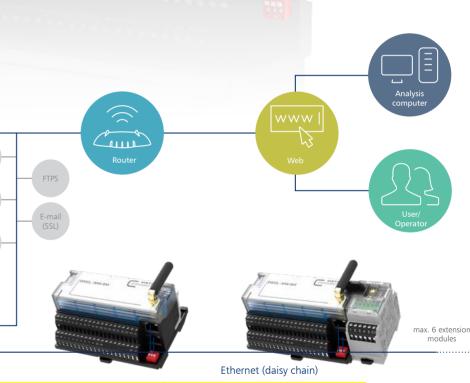
> Voltage

> Frequency > Active power

> Apparent power

> Reactive powe





Building Automation System Components for Switch Cabinet Applications

Measurement and Monitoring Relay

The METZ CONNECT monitoring relays protect people and machines and control electrical processes, depending on the electrical or physical size.

- > Current monitor for universal use
- > Phase monitor for protecting against destruction/damage to system parts
- > Phase sequence relays for monitoring the rotating field
- > Asymmetry relay for safe detection of a phase failure
- > Multifunctional three-phase monitor
- > Level relay for fill level monitoring



Interface Modules

In control and automation technology, the METZ CONNECT interface modules form the separation between the logic level and the load level.

- > Universally usable coupling components
- > Sensor and actuator interface modules as optocouplers, power distributors, diode modules, signal modules, threshold switches, analogue data encoders, analog-digital converters and as potential separators
- > Powerful and compact, pluggable 14-pole industry relays



Time Relay

A time relay is a special type of relay, with which switch-on or switch-off delays can be achieved, for example, in control and automation technology. The product spectrum offers time relays with multiple functions and adjustable time ranges, as well as relays with specific functions such as switch-on delay, switch-off delay, impulse-on delay, flashing, timing and star-and-delta relays.



Energy-Controlling

For energy and consumption monitoring as well as data monitoring in buildings, industrial plants, and systems, Linux-based, high-performance data loggers are used. The multi-protocol capability of the data logger is made possible by the many connections and interfaces (TCP/IP, BACnet/IP, Modbus TCP, Modbus RTU, M-Bus, SO-Impulse, digital and analog inputs/ and outputs) and supports you e.g. in your tasks in energy management systems according to DIN EN ISO 50001 to increase energy efficiency by integrating the MSR and HVAC technology to the building management system.





Building Automation Router/Gateways

for Network Connection of Fieldbus Components

In many building automation projects, customers require a consistent connection of all automation components within the building to a structured network cabling.

Benefits of our Solution

- > Recording and analysis of data
- > Galvanic 3-way isolation (RS485 Ethernet supply)
- > Integrated web server
- > Simple configuration via web interface
- > Easy device search
- > Fast connection via jumper plug technology
- > Connection of 32 slaves per line max.
- > Ethernet available everywhere in the building
- > Virtually no restrictions on line lengths
- > Technology and manufacturer-independent use



Modbus Gateway MR-GW

es and complex programming, and expensive hardware. The optimal solution is the use of a Modbus gateway. With its function as a protocol converter, the Modbus gateway enables easy inte-

Fieldbus components, such as temperature sensors or measuring, gration of Modbus RTU replica into a Modbus TCP network. The usually have a Modbus RTU interface, which are integrated into METZ CONNECT Modbus Gateway MR-GW helps to integrate the automation level by means of a Modbus TCP controller. The Modbus RTU devices into a Modbus TCP network and provides use of a controller is over-dimensioned in many application casa very easy and cost effective way to communicate Modbus TCP clients with one or more Modbus RTU replica.

BACnet IP-Router

routing between BACnet/IP, BACnet Ethernet and BACnet MS/ server. Device configuration and parameterization of the two TP networks. 32 BACnet MS/TP devices can be operated on the interfaces (Ethernet /RS485) is done via the user-friendly web router, allowing BACnet objects to be transferred between the interface or the software tool "MC-Search Utility". In addition, BACnet/IP and BACnet MS/TP networks at will. The BMT-RTR the router has a recording tool for troubleshooting and analyrouter can be operated as BACnet/IP to BACnet MS/TP or BAC- sis of the transmitted data. net Ethernet (ISO 8802-3) to BACnet MS/TP router. The BACnet

The BMT-RTR is a compact multi-network router that provides router can be accessed in an IP network via the integrated web







BACnet IP-Router

We look forward to meeting you!



METZ CONNECT GmbH is a member of the following organizations and associations.

























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