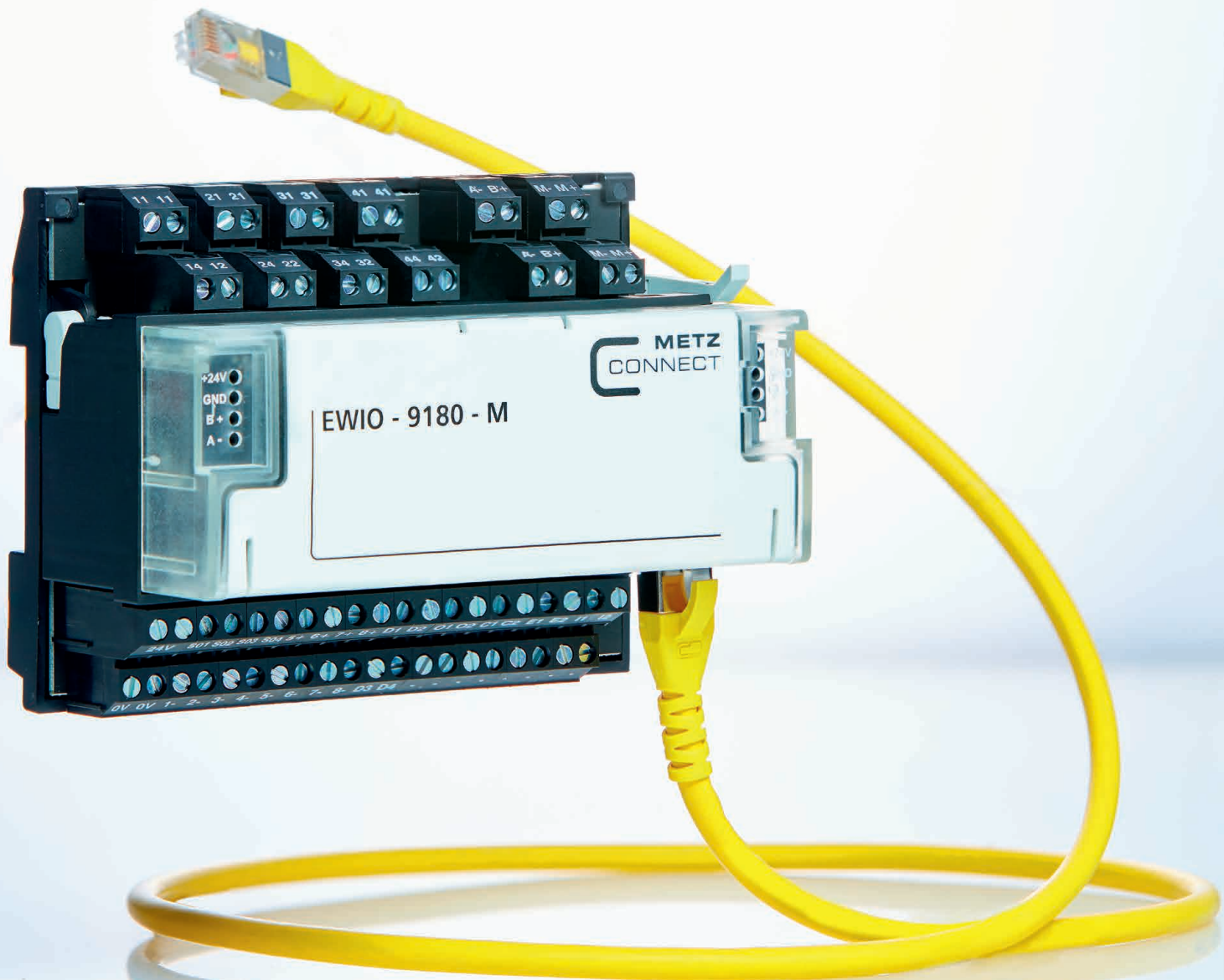





Product Summary













Data logger | M-Bus components






Data logger

 <p>EWIO-9180-M Data logger / Ethernet I/O P/N 110910 4 relay outputs 4 digital inputs 2 universal inputs 2 universal outputs 4 SO inputs 1 M-BUS 1 extension bus</p>	 <p>EWIO-9180-M-BACnet Data logger / BACnet/IP I/O P/N 110912 4 relay outputs 4 digital inputs 2 universal inputs 2 universal outputs 4 SO inputs 1 M-BUS 1 BACnet/IP 1 extension bus</p>	 <p>EWIO-9180-M-Modbus Data logger / Modbus TCP I/O P/N 110913 4 relay outputs 4 digital inputs 2 universal inputs 2 universal outputs 4 SO inputs 1 M-BUS 1 Modbus RTU 1 extension bus</p>
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M-Bus components

 <p>S0/M Converter 4 channels Input module P/N 110556 4 SO inputs</p>	 <p>S0/M Converter double rate Input module P/N 11055601 1 double rate input, 2 SO inputs</p>	 <p>S0/M Converter. doub.-rate IP65 Input module P/N 11055601IP 1 double rate input, 2 SO inputs</p>	 <p>T/M Converter 4 channels Input module P/N 110562 4 temperature inputs</p>	 <p>T/M Converter IP65 Input module P/N 110562IP 4 temperature inputs</p>	 <p>MYD-4M-IP65 M-Bus distributor P/N 11056301 6 x M-Bus 2 x voltage</p>
 <p>MYD-2M2V-IP65 M-Bus distributor P/N 11056302 4 x M-Bus, 4 x voltage</p>	 <p>MYD-1M1V M-Bus distributor for DIN rail P/N 11056303 2 x M-Bus, 2 x voltage</p>	 <p>M-Bus CT Software M-Bus configuration tool P/N 110566</p>	 <p>Power supply NG4 HS Power supply P/N 110561 In 110-240 V AC 50/60 Hz, Out 24 V DC (SELV) / 700 mA; 16 W</p>		

I/O components | Ethernet I/Os
























 <p>EWIO-9180 Ethernet I/O P/N 110900 6 relay outputs 2 triac outputs 4 digital outputs 3 analog outputs 8 digital inputs 4 universal inputs 1 extension bus</p>	 <p>EWIO-9180-BACnet BACnet/IP I/O P/N 110902 6 relay outputs 2 triac outputs 4 digital outputs 3 analog outputs 8 digital inputs 4 universal inputs 1 extension bus</p>	 <p>EWIO-9180-Modbus Modbus TCP I/O P/N 110903 6 relay outputs 2 triac outputs 4 digital outputs 3 analog outputs 8 digital inputs 4 universal inputs 1 extension bus</p>	 <p>EWIO Programming adapter USB/RS232 Programming adapter P/N 110920 Converter</p>	 <p>Power supply NG4 HS Power supply P/N 110561 In 110-240 V AC 50/60 Hz, Out 24 V DC (SELV) / 700 mA; 16 W</p>
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I/O components | Extension modules for EWIO and EWIO-M

 <p>EW-DI4 Input module digital P/N 1109541319 4 digital inputs</p>	 <p>EW-DI10 Input module digital P/N 1109511319 10 digital inputs</p>	 <p>EW-CI4 Input module analog P/N 1109571332 4 current inputs 0-20 mA, 4 voltage inputs 0-10 V</p>	 <p>EW-AI8 Input module analog P/N 11095213 8 configurable temperature or voltage inputs</p>	 <p>EW-DO4 Output module digital P/N 1109561321 4 relay outputs, manual control facility</p>	 <p>EW-TO4 Output module digital P/N 11095013 4 triac outputs, manual control facility</p>
 <p>EW-AO4 Output module analog P/N 1109551302 4 voltage outputs 0-10 V</p>	 <p>EW-DIO4/2 I/O module digital P/N 1109531326 4 digital inputs, 2 relay outputs, manual control facility</p>	 <p>EW-DIO4/2-IP65 I/O module digital P/N 1109531326IP 4 digital inputs, 2 relay outputs</p>			

I/O components | Modbus RTU














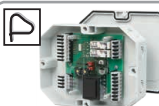



Applications on request | available at www.metz-connect.com

 <p>MR-DI4 Input module digital P/N 1108341319 4 digital inputs</p>	 <p>MR-DI4-IP65 Input module digital P/N 1108341319IP 4 digital inputs</p>	 <p>MR-DI10 Input module digital P/N 1108311319 10 digital inputs</p>	 <p>MR-SI4 Input module digital P/N 11083913 4 S0 inputs</p>	 <p>MR-AI8 Input module analog P/N 11083213 8 configurable temperature or voltage inputs</p>	 <p>MR-CI4 Input module analog P/N 1108401332 4 current inputs 0-20 mA, 4 voltage inputs 0-10 V</p>
 <p>MR-AIO4/2-IP65 Input module analog P/N 110842131P 4 inputs, individually configurable, 2 analog outputs (0-10 V)</p>	 <p>MR-SM3 Input module analog P/N 11084113 3 analog outputs (230 V)</p>	 <p>MR-DO4 Output module digital P/N 1108361321 4 relay outputs, manual control facility</p>	 <p>MR-DOA4 Output module digital P/N 110836132101 4 relay outputs</p>	 <p>MR-TO4 Output module digital P/N 11083013 4 triac outputs, manual control facility</p>	 <p>MR-AOP4 Output module analog P/N 1108371302 4 voltage outputs 0-10 V, manual control facility</p>
 <p>MR-AO4 Output module analog P/N 1108351302 4 voltage outputs 0-10 V</p>	 <p>MR-Multi-I/O I/O module digital/analog P/N 11084313 4 digital outputs (Photo MOS) 4 digital outputs (Relais) 11 digital inputs 6 universal inputs (temperature / voltage) 1 analog output (current) 2 analog outputs (voltage) 1 S0 input</p>	 <p>MR-DIO4/2 I/O module digital P/N 1108331326 4 digital inputs, 2 relay outputs, (changeover contacts) manual control facility</p>	 <p>MR-DIO4/2S I/O module digital P/N 110833132601 4 digital inputs, 2 relay outputs, (NO contacts) manual control facility</p>	 <p>MR-DIO4/2-IP65 I/O module digital P/N 1108331326IP 4 digital inputs, 2 relay outputs</p>	 <p>MR-DIO4/2-IP65 230 V I/O module digital P/N 1108330526IP 4 digital inputs, 2 relay outputs</p>
 <p>MR-SM3 Input module analog P/N 11084113 3 analog outputs (230 V)</p>	 <p>MR-LD6 Leakage-/Level monitoring P/N 11084413 6 analog inputs, 2 relay outputs</p>	 <p>Power supply NG4 HS Power supply P/N 110561 In 110-240 V AC 50/60 Hz, Out 24 V DC (SELV) / 700 mA; 16 W</p>	 <p>MR-CT Software Modbus Configuration tool P/N 110849</p>	 <p>USB to RS485 Converter Converter P/N 11080101</p>	

I/O components | BACnet MS/TP



















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BACnet - Application Specific Controller Profile (B-ASC)

 <p>BMT-DI4 Input module digital P/N 1108841319 4 digital inputs</p>	 <p>BMT-DI4-IP65 Input module digital P/N 1108841319IP 4 digital inputs</p>	 <p>BMT-DI10 Input module digital P/N 1108811319 10 digital inputs</p>	 <p>BMT-SI4 Input module digital P/N 11088913 4 S0 inputs</p>	 <p>BMT-AI8 Input module analog P/N 11088213 8 configurable temperature or voltage inputs</p>	 <p>BMT-CI4 Input module analog P/N 1108901332 4 current inputs 0-20 mA, 4 voltage inputs 0-10 V</p>
 <p>BMT-DO4 Output module digital P/N 1108861321 4 relay outputs, manual control facility</p>	 <p>BMT-TO4 Output module digital P/N 11088013 4 triac outputs, manual control facility</p>	 <p>BMT-AOP4 Output module analog P/N 1108871302 4 voltage outputs 0-10 V, manual control facility</p>	 <p>BMT-AO4 Output module analog P/N 1108851302 4 voltage outputs 0-10 V</p>	 <p>BMT-Multi-I/O I/O module digital/analog P/N 11089313 4 digital outputs (Photo MOS) 4 digital outputs (Relais) 11 digital inputs 6 universal inputs (temperature / voltage) 1 analog output (current) 2 analog outputs (voltage) 1 S0 input</p>	 <p>BMT-DIO4/2 I/O module digital P/N 1108831326 4 digital inputs, 2 relay outputs, manual control facility</p>
 <p>BMT-DIO4/2-IP65 I/O module digital P/N 1108831326IP 4 digital inputs, 2 relay outputs</p>	 <p>BMT-DIO4/2-IP 230 V I/O module digital P/N 1108830526IP 4 digital inputs, 2 relay outputs</p>	 <p>BMT-TP I/O module digital P/N 11088813 6 digital inputs, 2 two-stage relay outputs, manual control facility</p>	 <p>Power supply NG4 HS Power supply P/N 110561 In 110-240 V AC 50/60 Hz, Out 24 V DC (SELV) / 700 mA; 16 W</p>	 <p>BACnet IP/BACnet MS/TP Router Router P/N 11080001 1 x 10/100 Mbps Ethernet Port 1 x MS/TP Port</p>	

I/O components | LON FT5000

Applications on request | available at www.metz-connect.com

 <p>LF-DI4 Input module digital P/N 1108501319 4 digital inputs</p>	 <p>LF-DI10 Input module digital P/N 1108511319 10 digital inputs</p>	 <p>LF-DI10-IP65 Input module digital P/N 1108511319IP 10 digital inputs</p>	 <p>LF-DI230 Input module digital P/N 11086313 4 digital inputs</p>	 <p>LF-SI4 Input module digital P/N 11085813 4 S0 inputs</p>	 <p>LF-AI8 Input module analog P/N 11085313 8 configurable temperature or voltage inputs</p>
 <p>LF-CI4 Input module analog P/N 1108601332 4 current inputs 0-20 mA, 4 voltage inputs 0-10 V</p>	 <p>LF-DO4 Output module digital P/N 1108521321 4 relay outputs, manual control facility</p>	 <p>LF-DO4-IP65 Output module digital P/N 1108521321IP 4 relay outputs</p>	 <p>LF-TO4 Output module digital P/N 11086213 4 triac outputs, manual control facility</p>	 <p>LF-AOP4 Output module analog P/N 11085413 4 voltage outputs 0-10 V, manual control facility</p>	 <p>LF-AO4-IP65 Output module analog P/N 11085413IP 4 voltage outputs 0-10 V</p>
 <p>LF-AM2/4 I/O module analog/digital P/N 11085713 2 voltage outputs 0-10 V, 2 voltage outputs 0-10 V, 2 digital outputs</p>	 <p>LF-TI-IP65 I/O module analog/digital P/N 110861051P 4 universal inputs, 4 triac outputs</p>	 <p>LF-DM4/4 I/O module digital P/N 1108561326 4 digital inputs, 2 relay outputs 2 digital outputs</p>	 <p>LF-TP I/O module digital P/N 11085913 6 digital inputs, 2 two-stage relay outputs, manual control facility</p>	 <p>LF-DIO4/2 I/O module digital P/N 1108551326 4 digital inputs, 2 relay outputs, manual control facility</p>	 <p>LF-DIO4/2-IP65 I/O module digital P/N 1108551326IP 4 digital inputs, 2 relay outputs</p>

I/O components | LON FT5000

Applications on request | available at www.metz-connect.com



C12

LF-FAM LON

Switch-on module
P/N 11087913
for bus connection, supply
voltage and adjustable bus
termination



C18

Power supply NG4 HS

Power supply
P/N 110561
In 110-240 V AC 50/60 Hz,
Out 24 V DC (SELV) /
700 mA; 16 W



Echelon Open LNS

Echelon Open LNS
Commissioning Tool
Standard Edition
P/N 11021710



Echelon USB

USB Network Interface
P/N 110214

I/O components | CAN-Bus



C12

FDE 4

Input module digital
P/N 1105751319
4 digital inputs



C12

FAE 4

Input module analog
P/N 1105741306
4 voltage inputs 0-10 V,
4 temperature inputs



C12

FRAS 4/21

Output module digital
P/N 1105701321
4 relay outputs,
manual control facility



C12

FAA 4

Output module analog
P/N 1105731302
4 voltage outputs 0-10 V

Electronic timer relays



E08

MARK-E08

P/N 110657
Multi-functional timer relay,
1 changeover contact



E08

MARK-E08 U

P/N 1106574133
Multi-functional timer relay,
voltage input,
1 changeover contact



E08

MFRk-E08 / MFRk-E08 F

P/N 110658 / 110658412014
Multi-functional timer relay,
fast-acting,
1 changeover contact



E12

MFRk-E12

P/N 1103104122xx
Multi-functional timer relay,
2 changeover contacts



E10

MZAk-E10

P/N 110295412030
Multi-timer relay,
delay on make
1 changeover contact



E10

RTLk-E10

P/N 1103524120xx
Timer relay,
delay on make
1 changeover contact



E10

RKAk-E10

P/N 1103044120xx
Timer relay, delay on break,
1 changeover contact



E10

EWEk-E10

P/N 1102964120xx
Timer relay, circuit closing
wiping, 1 changeover contact



E08

TERk-E08

P/N 1106744120xxxx
Multi-timer relay, clock gene-
rator, 1 changeover contact



E10

REWk-E10

P/N 110354412016
Timer relay, circuit closing
wiping, 1 changeover contact



E10

RTBk-E10

P/N 110355412016
Flashing relay,
1 changeover contact



E10

RSDw-E10

P/N 1101614128xx17
Star-delta relay, 1 change-
over contact (two relay)

Measuring and monitoring relays



E12

LTRk-E12

P/N 110283xxxx
Fan timer, 2 mutually
interlocked output stages



E16

DRIW-E16

P/N 110150xx22
Speed & V-belt monitoring,
2 changeover contacts



E12

CPW-E12

P/N 1102810520xx
Motor protection, cosφ moni-
toring, 1 changeover contact



E12

TMR-E12 with error memory

P/N 110316xxxx
Motor protection/monitoring,
thermistor, 1;2 changeover contact



E12

TMR-E12 w/o error memory

P/N 110315xxxx
Motor protection/monitoring,
thermistor, 1;2 changeover contact



E12

PFD2-E12 | 400 V AC

P/N 110292032215
Phase monitoring,
2 changeover contacts



E12

ENW-E12

P/N 110308xx
Level monitoring,
2 changeover contact



C18

MR-LD6

P/N 11084413
Leakage-/Level monitoring,
2 normally open contacts,
Modbus RTU



C18

ASD-C18 | 230 V AC

P/N 110270
Phase monitoring,
asymmetrie, 2 changeover
contacts



C12

DUW-C12 | 3x 230 V AC

P/N 110271
Undervoltage monitoring
in three-phase networks,
2 changeover contacts



C18

EUW-C18 | 230 V AC

P/N 11027405
Voltage monitoring,
2 changeover contacts








C18

EIW-C18






























P/N 110272xx
Current monitoring,
2 changeover contacts

Measuring and monitoring relays

 <p>Transformer TAmini P/N 11018105xx Transformer</p>	 <p>Submersible Electrode TE1 P/N 110324 Submersible electrode</p>	 <p>Leakage sensor LKS1 P/N 110329 Leakage sensor</p>	 <p>Two-wire sensor P/N 110149 Two-wire sensor (5 to 60 V DC)</p>	 <p>Mounting bracket HWR P/N 110146 Mounting bracket</p>
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Interface modules

Electromechanical

 <p>KRA-F8/21 P/N 11070013 Coupling module, 1 changeover contact</p>	 <p>KRA-S-F8/21 P/N 11070613 Coupling module, 1 changeover contact, manual control facility</p>	 <p>KRA-SR-F10/21 P/N 11070813 Coupling module, 1 change- over contact, manual control facility, auto-feedback</p>	 <p>KRA-SRA-F10/21 P/N 11071013 Coupling module, 1 change- over contact, manual control facility, auto-feedback</p>	 <p>KRA-F10/21-21 P/N 11070213 Coupling module, 2 changeover contacts</p>	 <p>KRA-S-F10/21-21 P/N 11070713 Coupling module, 2 changeover contacts, manual control facility</p>
 <p>PV10-F10 P/N 110720 Potential distributor, 10-pole</p>	 <p>KRA-M4/1 P/N 110613xx Coupling module, 1 NO contact</p>	 <p>KRA-M6/1-1 P/N 110616xx Coupling module, 2 NO contact</p>	 <p>KRA-M6/1-2 P/N 110617xx Coupling module, 1 NO contact, 1 NC contact</p>	 <p>KRA-M6/21 P/N 110615xx Coupling module, 1 changeover contact</p>	 <p>KRA-S-M6/21 P/N 11061213 Coupling module, 1 changeover contact, manual control facility</p>
 <p>KRA-SR-M8/21 P/N 11064513 Coupling module, 1 change- over contact, manual control facility, auto-feedback</p>	 <p>KRA-M8/21-21 P/N 110619xx Coupling module, 2 changeover contacts</p>	 <p>KRZ-E08 HR P/N 110668132722 2-stage coupling module, 1 changeover contact, manual control facility</p>	 <p>KRZ-E08/HR2 P/N 110676132722 2-stage coupling module, 1 changeover contact, manual control facility with 0 position</p>	 <p>SMM-E16 P/N 110518xx Collective message module, 1 changeover contact</p>	 <p>STM-C12 P/N 110520 Fault message module</p>
 <p>RM21 P/N 110504xx Relay module, 2-tiers, 1 changeover contact</p>	 <p>RM21-21 P/N 110507xx Relay module, 2-tiers, 2 changeover contacts</p>	 <p>RM3-2W P/N 110510xx Relay module, 3-tiers, 2 changeover contacts</p>	 <p>KRS-E06 P/N 110661 Threshold control, 1 changeover contact, manual control facility</p>	 <p>KRS-E06 P/N 110655 Threshold control, 1 changeover contact, w/o manual control facility</p>	 <p>KRS-E08 HR P/N 110667 Threshold control, 1 changeover contact</p>
 <p>KRS-E08 HRP P/N 110666 Threshold control, 1 changeover contact, manual control facility</p>	 <p>KRS-E08 3 P/N 110673 Threshold control, 1 changeover contact with zero position</p>	 <p>KRS1-E08 HR3 P/N 110672 Threshold control, 2 stages with zero position, manual control facility</p>	 <p>KRS-E08 HR3 P/N 110665 Threshold control, 1 changeover contact with zero position, manual control facility with auto-feedback</p>	 <p>KRS-C12 3VHR P/N 11043413 Threshold control, forcibly locked, manual control facility with auto- feedback</p>	

Interface modules







Semi-conductor

 <p>KRE-M4/1 DC P/N 1106302517 Coupling module, optocoupler transistor</p>	 <p>KRE-M4/1 AC P/N 1106312518 Coupling module, triac optocoupler</p>
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Separate/convert

 <p>PT-C12 P/N 110501 Potential separator, voltage optimized</p>	 <p>PTi-C12 P/N 11050108 Potential separator, current optimized</p>	 <p>KAD-C12 P/N 110656 Digital-to-analog converter</p>	 <p>ADU-C12 P/N 11043513 Analog-to-digital converter</p>	 <p>RTM-C12 P/N 110276xx Pulse shaper, 2 changeover contacts</p>
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Indicator

 <p>KD-M8/4E P/N 110639 Diode module, 4 individual diodes</p>	 <p>KD-M8/7K P/N 110641 Diode module, 7 diodes, common cathode</p>	 <p>KD-M8/7A P/N 110640 Diode module, 7 diodes, common anode</p>	 <p>KD-S12/11K P/N 110629 Diode module, 11 diodes, common cathode</p>	 <p>KD-S12/11A P/N 110628 Diode module, 11 diodes, common cathode</p>	 <p>LTM-E16 P/N 110280 Lamp test module for 7 lamps, output for collective message</p>
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Setpoint device

 <p>KMA-F8 P/N 110730 Analog data encoder, 0-10 V</p>	 <p>KMAi-F8 P/N 110731 Analog data encoder, 0-20 mA</p>	 <p>KMA-E08 P/N 110660 Analog data encoder, 0-10 V</p>	 <p>KMA-R-E08 P/N 11066001 Analog data encoder, reverse voltage protected, 0-10 V</p>	 <p>KMAi-E08 P/N 110659 Analog data encoder, 0-20 mA</p>
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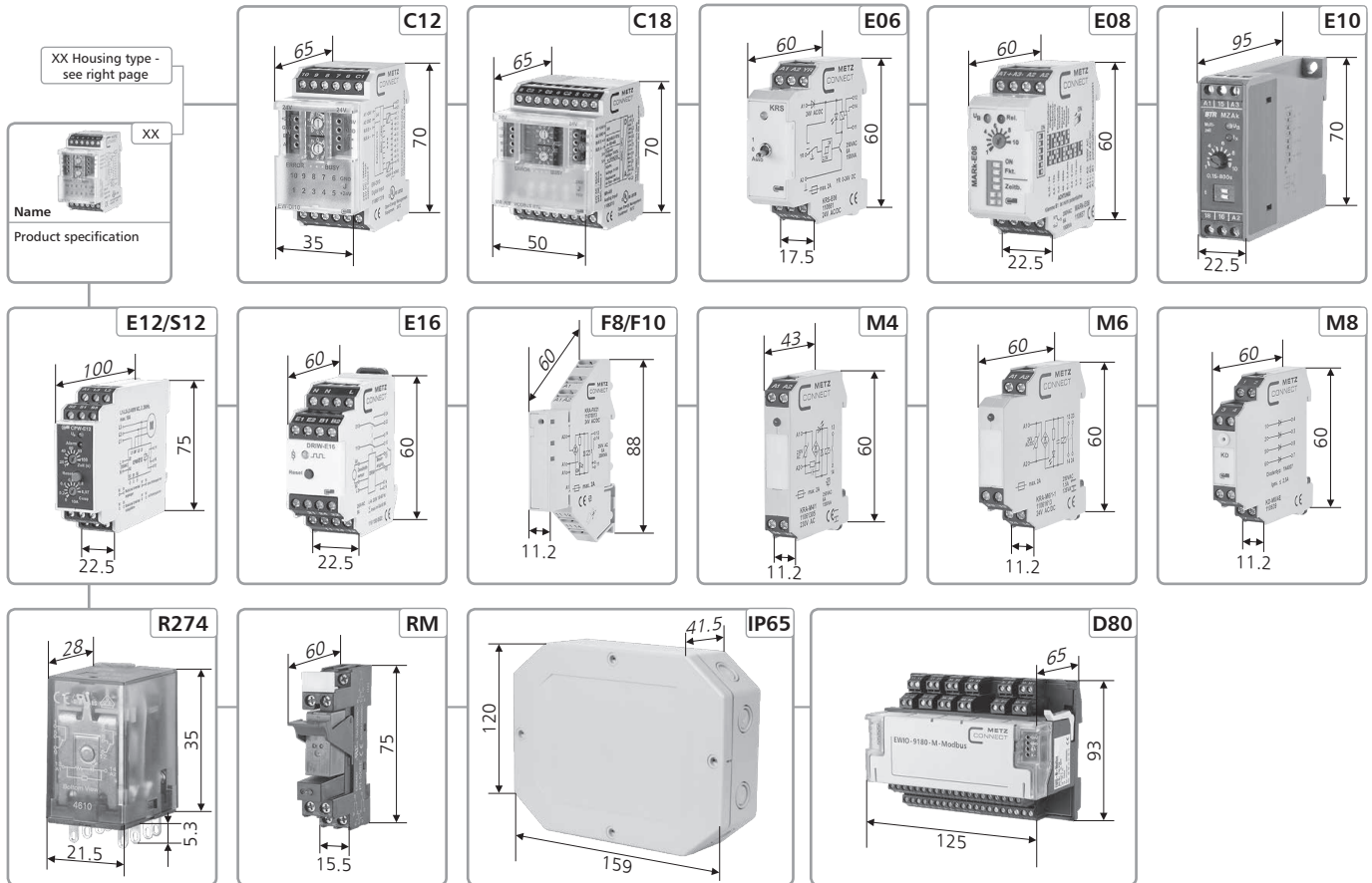
Industrial relays and accessories

 <p>R274 P/N 110015xxxxxx 4 changeover contacts 24 V AC/DC, 230 V AC</p>	 <p>Socket 14-pole P/N 110175 Relay socket, 3-tiers</p>	 <p>Socket 14-pole P/N 110178 Relay socket, 2-tiers</p>
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Telecommunications products

 <p>SAR 4 / SAR 5 P/N 130283-I / 130284-I Power switching relay for DIN rail, configurable</p>	 <p>SAR 1 AP P/N 130280-I Power switching relay</p>	 <p>TZG WK 955 AP P/N 130592-I Secondary call signaler</p>	 <p>TZG WK 955 UP P/N 130593-I Secondary call signaler</p>
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Housing types



Pictogram



with spring clamp terminal block

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899905-05 | 09/2017



DQS zertifiziert nach
DIN EN ISO 9001 - Reg.-Nr. 1514-03



899905-05