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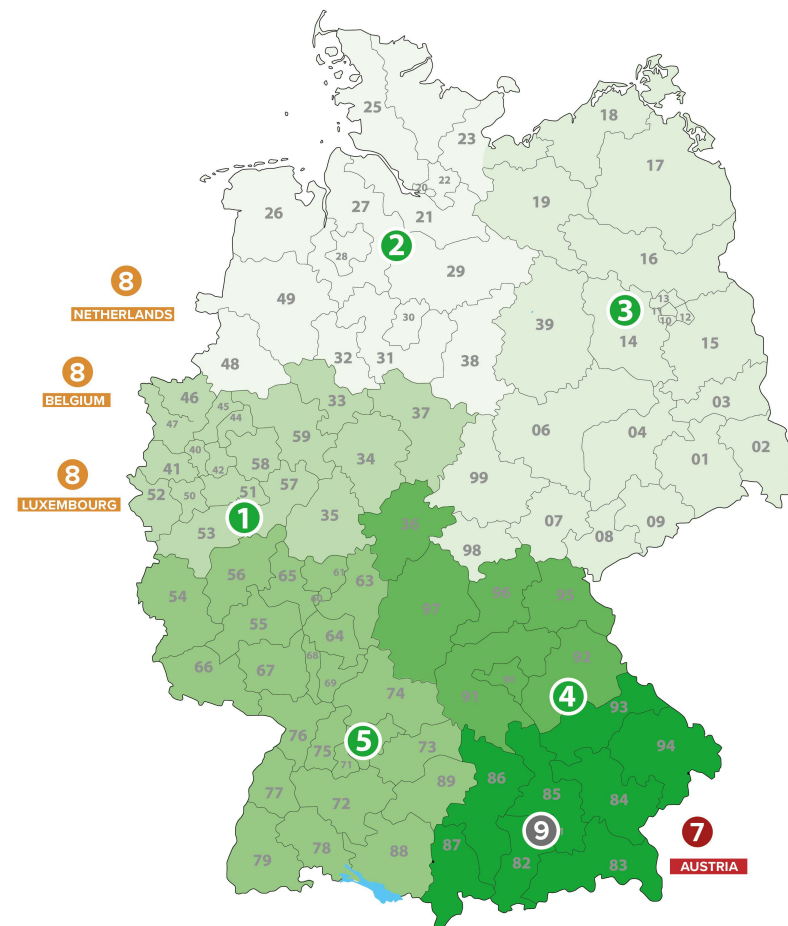
to the world of

 **K'ELECTRIC**

📍 Also in your area

You want to find your contact person?

We would be happy to advise you on the subject of overvoltage protection to other topics of our product worlds. Use one of ours contact options.



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K'ELECTRIC provides security system components for safe and efficient energy distribution. Increasing requirements in the area of energy efficiency, digitalization and security constantly require new impulses for the components used in the switch cabinet. We combine tried and tested security systems with the latest switching devices and surveillance systems.

With TYTAN® RHBUS and THBUS, for the first time ever fuse release messages can be integrated into existing control systems.

The 21st century increasingly stands for complex and networked systems. Constantly we work on our products to meet these challenges!

Your K'ELECTRIC team

PRODUCT HIGHLIGHTS

MADE BY K'ELECTRIC



CORON® DUO

- ✓ D0 fuse switch-disconnector
- ✓ fuse release signals by flashing indicator
- ✓ easy fuse replacement by safety plug with touch protection
- ✓ double function terminal

NH strip-type fuse switch-disconnector VSD

Mounting on 60mm busbar system

- ✓ terminal connection at the top or bottom freely selectable
- ✓ touch protection: IP30



Electric meters of the P series

- ✓ single-phase-energy meter up to 40A direct measurement 1MW
- ✓ three-phase-energy meter up to 80A direct measurement 4MW
- ✓ three-phase-energy meter up to 125A direct measurement 6MW
- ✓ three-phase-energy meter for current-transformer (ct) XX/ 5A or 1A
- ✓ display of active and reactive energy, current active and reactive power (consumption and supply)
- ✓ possible display of all relevant measurement data per phase
- ✓ with adjustable ct-ratio (infinitely changeable)
- ✓ double-tariff energy meter (HT /NT). The tariff is selected at 230V by terminals T1/T2
- ✓ optional extension through communication Modules
- ✓ made in EU, with EU-wide valid MID-certification



Multifunctional monitoring relay with graphic display

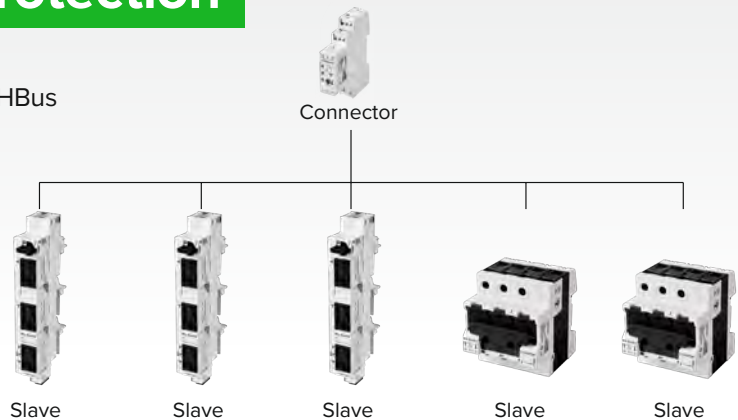
- ✓ adjustable under-voltage / over-voltage monitoring
- ✓ adjustable switching hysteresis
- ✓ adjustable frequency monitoring (AC)
- ✓ adjustable asymmetry (AC)
- ✓ adjustable mains form / operating voltage
- ✓ adjustable time delay
- ✓ 2 break contacts (individually adjustable)
- ✓ full control via graphic display



TYTAN® main protection

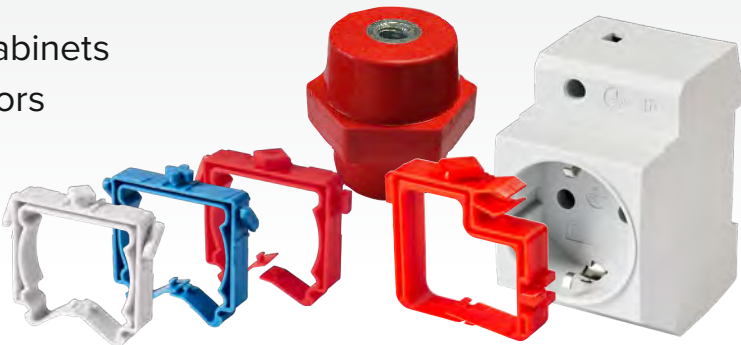
- ✓ e. g. TYTAN® RHBus | TYTAN® THBus

Fuse monitoring with MODBus interface



Accessories

Cable tidy holder for cabinets
Busbar support insulators
DIN rail sockets

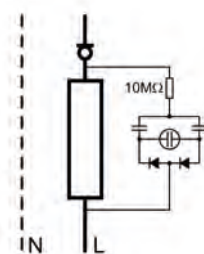


COMPETENCE, THAT CONVINCES

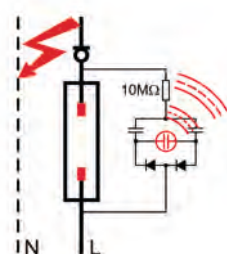
Our technical solutions are internationally accepted and characterize us as a technology leader in the field of fuse component systems.

OPTO-ELECTRONIC FLASHING INDICATOR

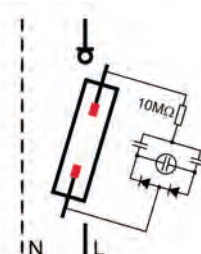
The patented flashing indicator acts as a modern fuse tripped indicator, an visible, reliable error message. It's immediate recognizable which fuse has tripped and the prerequisite for an immediate restart of the system.



The fuse bridges the electronic control circuit



In case of a fault, the electronic circuit is triggered

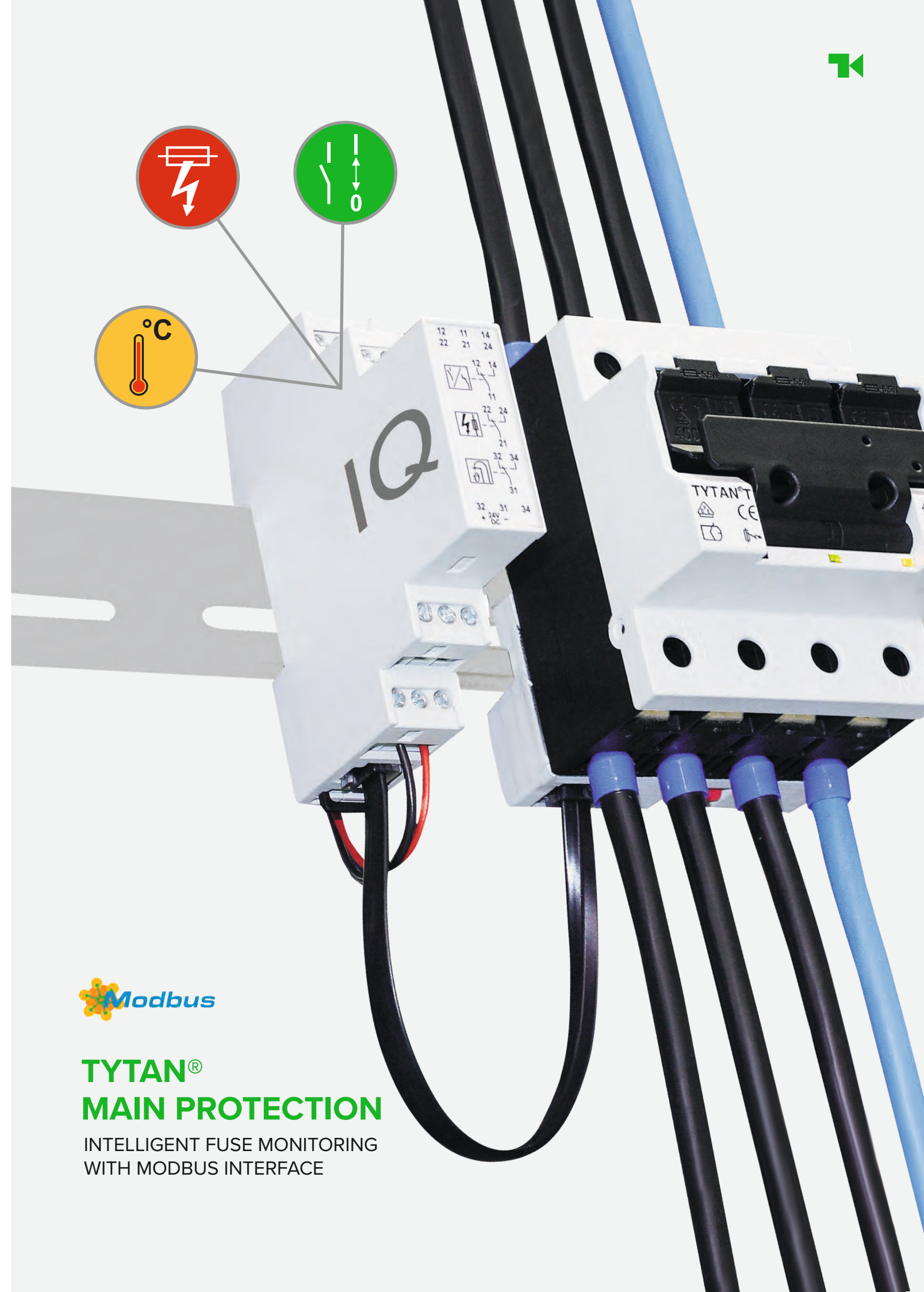
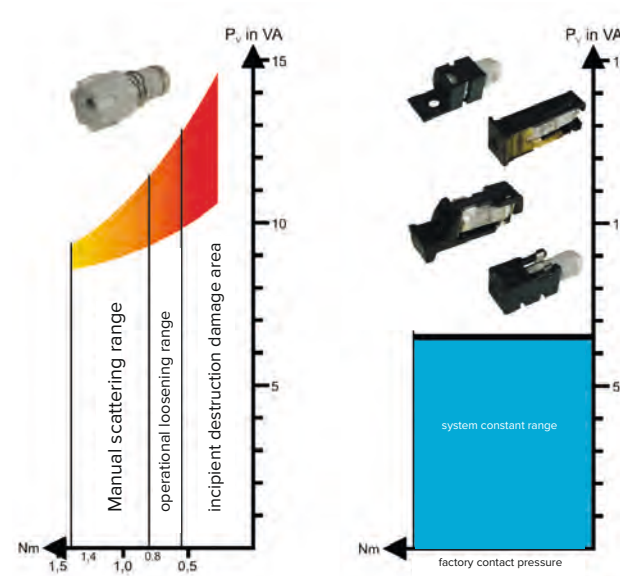


On switching off, the bridged control circuit will also be disconnected

PLUG IN TECHNOLOGY SAFE AND FAST

The plug-in system with extractable fuse holders ensures continuous optimum contact pressure. Screw cap designs which can get loose, contribute to an avoidable dissipation loss of up to 10VA. A quick fuse swap is possible since no cumbersome screwing-on is involved.

Plug-in and reclose. Additionally, operator safety is enhanced. The fuse plug being extractable, physical contact with the fuse, which could have a temperature of 100° C is averted.



TYTAN® MAIN PROTECTION

INTELLIGENT FUSE MONITORING
WITH MODBUS INTERFACE

OUR PRODUCTS

On our products you can rely on – at any time.
Highest product availability and on-time delivery
for your safety ...

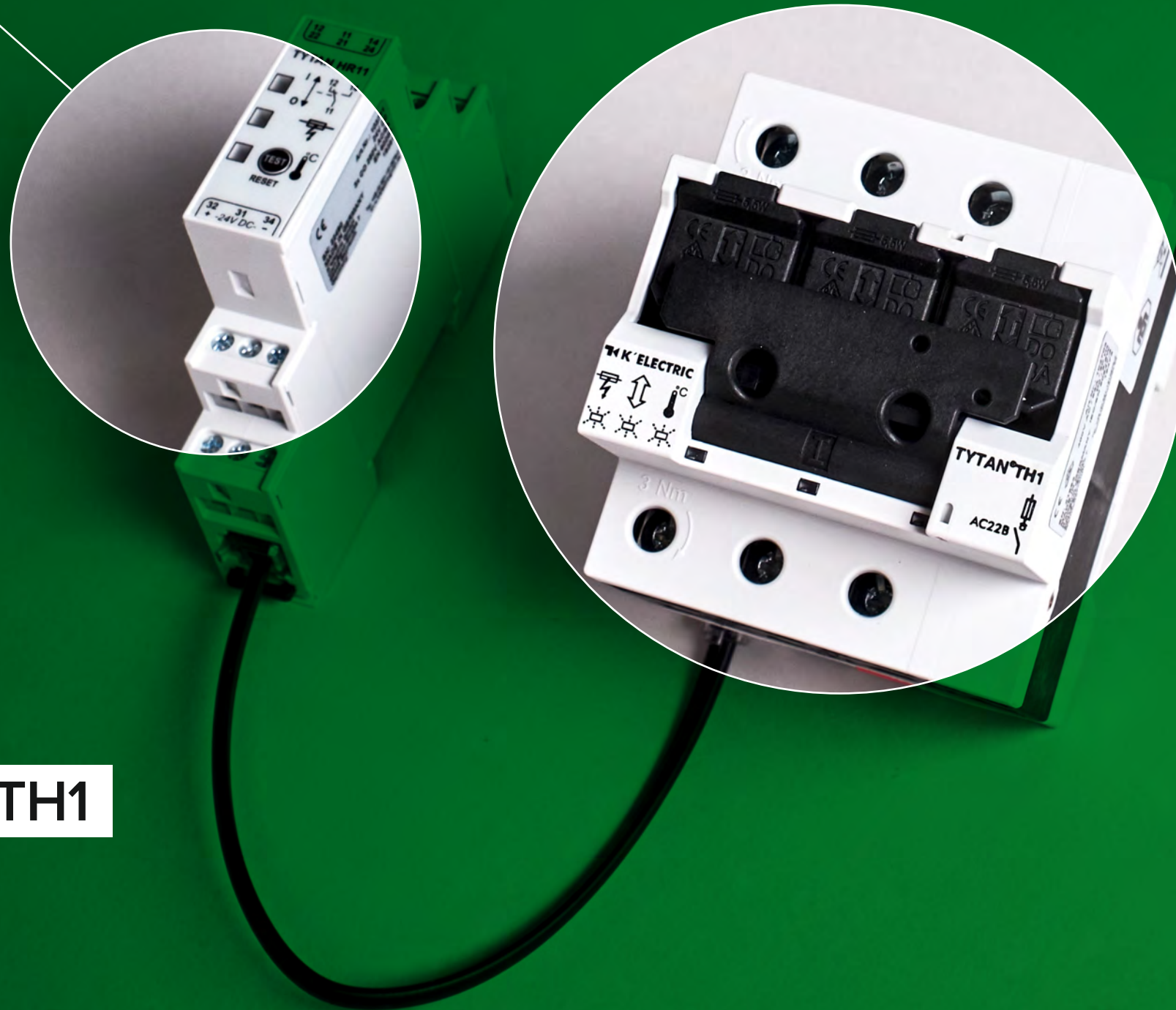


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Main Protection | Intelligent fuse monitoring

The term "main Protection" is probably the most innovative device monitoring system for fuse systems. (e.g. TYTAN® TH1, TYTAN® THBus/RHBus)
Both the switching status of the fuse switchgear and the status of the fuse are reliably documented and transmitted to the system operator. This makes convenient and safe system monitoring easily. In this way, intelligent monitoring is made available to the fuse systems.



TYTAN® TH1

TYTAN® II main protection

D0 fuse switch-disconnector with fuse monitoring relay

Nominal current unmistakability due to full coding

The TYTAN® system codes consistently for all amperage levels.
Also between the new stages 13, 32 and 40A.

- ✓ flashing indicator (in plug)
- ✓ fuse plug
- ✓ full coding for ALL current levels
- ✓ sealable
- ✓ lockable



Item	Item-no.	PU	
TYTAN® II 1-pole; with backup monitoring 60 – 230 / 400V AC	10 2751	6	
TYTAN® II 2 pole; with fuse main protection 60 – 230 / 400V AC	10 2752	4	
TYTAN® II 3 pole; with fuse main protection 60 – 230 / 400V AC	10 2753	3	
TYTAN® II 1 pole+N; with fuse main protection 60 – 230 / 400V AC (N leading / lagging)	10 2741	4	
TYTAN® II 3 pole+N; with fuse main protection 60 – 230 / 400V AC (N leading / lagging)	10 2743	2	
TYTAN® II 1 pole; with fuse main protection 60 – 110V DC	10 2751	6	
TYTAN® II 2 pole; with fuse main protection 60 – 220V DC	10 2752	4	
TYTAN® II 1 pole; with fuse main protection 24 – 60V AC / DC	10 2711	6	
TYTAN® II 2 pole; with fuse main protection 24 – 60V AC / DC	10 2712	4	
TYTAN® II 3 pole; with fuse main protection 24 – 60V AC / DC	10 2713	3	

TYTAN® II main protection for busbar adapter



Item	Structure	100mm Art no.	125mm Item-no.	150mm Item-no.	PU	
TYTAN® II Mono	1x3 pole	–	10 6275	10 6277	1	
TYTAN® II Duo	2x3 pole	–	10 6276	10 6278	1	
TYTAN® II Mono	1x2 pole	–	10 6285	–	1	
TYTAN® II Duo	2x2 pole	–	10 6289	–	1	

TYTAN® T4H | T4HP | T4HR main protection

with signalling contact for fuse release, phase release and overtemperature

- ✓ only 4 TE construction width (72mm)
- ✓ flashing indicator
- ✓ universal fuse plug
- ✓ potential-free break contact for:

- fuse main protection L1, L2, L3
- phase monitoring L1, L2, L3
- temperature monitoring



400V~ – with signalling contact for fuse release, phase release and overtemperature

Item	Item-no.	PU	
TYTAN® T4H, 3 pole	10 4233	3	
TYTAN® T4HP, 3 pole+N (N leading / lagging)	10 4235	3	

400V~ – with signalling contact for fuse release and overtemperature – no signal for phase release

Item	Item-no.	PU	
TYTAN® T4HR, 3 pole	10 4263	3	
TYTAN® T4HR, 3 pole+N	10 4265	3	
TYTAN® T4HR, 3 pole + auxiliary contact for switching status	10 4267	3	

Accessories

Item	Item-no.	PU	
Plug – reducing spring D02 to D01 (for 10 x 38mm)	10 1774	12	
Key lock in the click box	10 4664	1	
Shorting bolt for use as a cutting knife	10 1780	3	



TYTAN® RH4 main protection

with signalling contact for fuse release and overtemperature

TYTAN® main protection signals fuse releases and routes them to the outside by means of a potential-free break contact. At the same time, dangerous overheating of the switchgear is also indicated and signalled. No external voltage needs to be supplied to the TYTAN® RH4.



- ✓ flashing indicator
- ✓ self-supplied
- ✓ fuse plug
- ✓ construction width 36mm
- ✓ lockable

400V~, D0: 2 ... 63A; 10x38: 2 ... 32A

Item	Item-no.	PU	
TYTAN® RH4 3 pole	10 6711	2	
TYTAN® RH4 3 pole+N (N leading / lagging)	10 6712	2	
TYTAN® RH4 3 pole incl. switching status	10 6713	2	
TYTAN® RH4 3 pole+N incl. switching status	10 6714	2	

TYTAN® TH1 main protection

with temperature and fuse monitoring system

TYTAN® main protection signals fuse releases and routes them to the externally seated relay part via RJ connection cable. At the same time, dangerous overheating of the switchgear is indicated and signalled. A potential-free break contact is available as an interface on the relay unit. As a collective fault signal, up to 12 switching devices can be monitored together by connecting them in series.

- ✓ fuse release and overtemperature
- ✓ potential-free relay contacts



400V~, D0: 2 – 63A; 10x38: 2 – 32A

Item	Item-no.	PU	
TYTAN® TH1 3 pole	10 4703	3	
TYTAN® TH1 3 pole+N (N leading / lagging), use higher dinbars: 35 x 15mm	10 4705	3	

Accessories to RJ monitoring you will find on page 22.

TYTAN® RH1 main protection

with temperature and fuse monitoring system

TYTAN® main protection signals backup shutdowns and routes them using RJ connection cables to the externally sitting relay unit. At the same time, a dangerous overheating of the switching device is displayed and reported.

As an interface on the relay unit, a potential-free break contact is available. As a collective fault message, up to 12 switching devices can be monitored together by one above the otherwise.

- ✓ fuse release and overtemperature
- ✓ potential-free relay contacts

Accessories to RJ monitoring you will find on page 22.



400V~, D0: 2 – 63A; 10x38: 2 – 32A

Item	Item-no.	PU	
TYTAN® RH1 3 pole	10 6701	2	
TYTAN® RH1 3 pole+N (N leading / lagging)	10 6702	2	

500V~, 10x38: 2 – 25A

Item	Item-no.	PU	
TYTAN® RH1 3 pole	10 6731	2	
TYTAN® RH1 3 pole+N (N leading / lagging)	10 6732	2	

NH fuse switch-disconnector

with fuse monitoring protection system



NH00

Item	Item-no.	PU
NH00 fuse switch-disconnector 160A for 60mm busbar system, box terminal 2,5 – 95mm ² , cable connection: bottom, with electronic fuse monitoring / RJ-Connection for main protection system	20 8076	1
NH00 fuse switch-disconnector 160A for 60mm busbar, box terminal 2,5 – 70mm ² , cable connection: top, with electronic fuse monitoring / RJ connection for main protection system	20 8077	1
NH00 fuse switch-disconnector, 6x box terminal connection 4 – 70mm ² , with electronic fuse monitoring / RJ connection for main protection system	20 3076	1



NH1

Item	Item-no.	PU
NH1 fuse switch-disconnector 250A for 60mm busbar, 3-pole, cable connection: bottom, connecting screws M10, with electronic fuse monitoring / RJ connection for main protection system	20 8176	1
NH1 fuse switch-disconnector 250A for 60mm busbar, 3-pole, cable connection: top, connecting screws M10, with electronic fuse monitoring / RJ connection for main protection system	20 8177	1
NH1 fuse switch-disconnector, size 1, 250A, 6x connecting screws M10, with electronic fuse monitoring / RJ connection for main protection system	20 3176	1



NH2

Item	Item-no.	PU
NH2 fuse switch-disconnector 400A for 60mm busbar, 3-pole, cable connection: bottom, connecting screws M12, with electronic fuse monitoring / RJ connection for main protection system	20 8276	1
NH2 fuse switch-disconnector for 60mm busbar, size 1, 250A, 6x connecting screws M12, with electronic fuse monitoring / RJ connection for main protection system	20 8277	1
NH2 fuse switch-disconnector 400A, 3-pole, connecting screws M12, with electronic fuse monitoring / RJ connection for main protection system	20 3276	1

RJ fuse monitoring

relay modul, RJ connection cable and power supply



Item	Item-no.	PU
Main protection-relay module HR 11; 3 break contacts (for signal contact: fuse release, overtemperature, on / off)	10 3711	1
Main protection-relay module HR 12; 2 break contacts (for signal contact: fuse release, overtemperature, on / off)	10 3712	1
Main Protection-Relay modul HR 13; 1 break contacts (for signal contact: fuse release, overtemperature, on / off)	10 3713	1

Accessories

Item	Item-no.	PU
RJ-connection cable 200mm	10 3730	1
RJ-connection cable 500mm	10 3731	1
RJ-connection cable 1000mm, more lengths on demand!	10 3732	1

Item	Item-no.	PU
Power supply 100-240V AC / 24V DC 10W	10 3700	1
Power supply 100-240V AC / 24V DC 30W	10 3701	1

TYTAN® THBus

safety and temperature monitoring with MODBus interface



TYTAN® THBus reports backup shutdowns, overtemperatures and the switching positions of the switching devices connected via RJ connecting lines. Thus, up to 28 devices can be monitored together. The connector takes over the power supply of the bus as well as the connection to the MODBus RTU interface.

- ✓ detailed backup monitoring for up to 28 devices using MODBus RTU interface
- ✓ control of individual temperatures and switching positions



Item	Item-no.	PU
TYTAN® THBus 3 pole	10 1803	4
TYTAN® THBus 3 pole+N	10 1804	4

Accessories



Item	Item-no.	PU
Terminator RJ10	10 1839	1
MODBUS connector interface RH/THBus to MODBUS	10 1830	1
RJ-connection cable 200mm	10 3730	1
RJ-connection cable 500mm	10 3731	1
RJ-connection cable 1000mm, more lengths on demand!	10 3732	1



Item	Item-no.	PU
Power supply 100-240V AC / 24V DC 10W	10 3700	1

TYTAN® RHBus

safety and temperature monitoring with MODBus interface



TYTAN® RHBus reports backup shutdowns, overtemperatures and the switching positions of the switching devices connected via RJ connecting lines. Thus, up to 28 devices can be monitored together. The connector takes over the power supply of the bus as well as the connection to the MODBus RTU interface.

- ✓ detailed backup monitoring for up to 28 devices using MODBus RTU interface
- ✓ control of individual temperatures and switching positions



Item	Item-no.	PU
TYTAN® RHBus 3 pole	10 1801	2
TYTAN® RHBus 3 pole+N, (N leading / lagging)	10 1802	2

Accessories



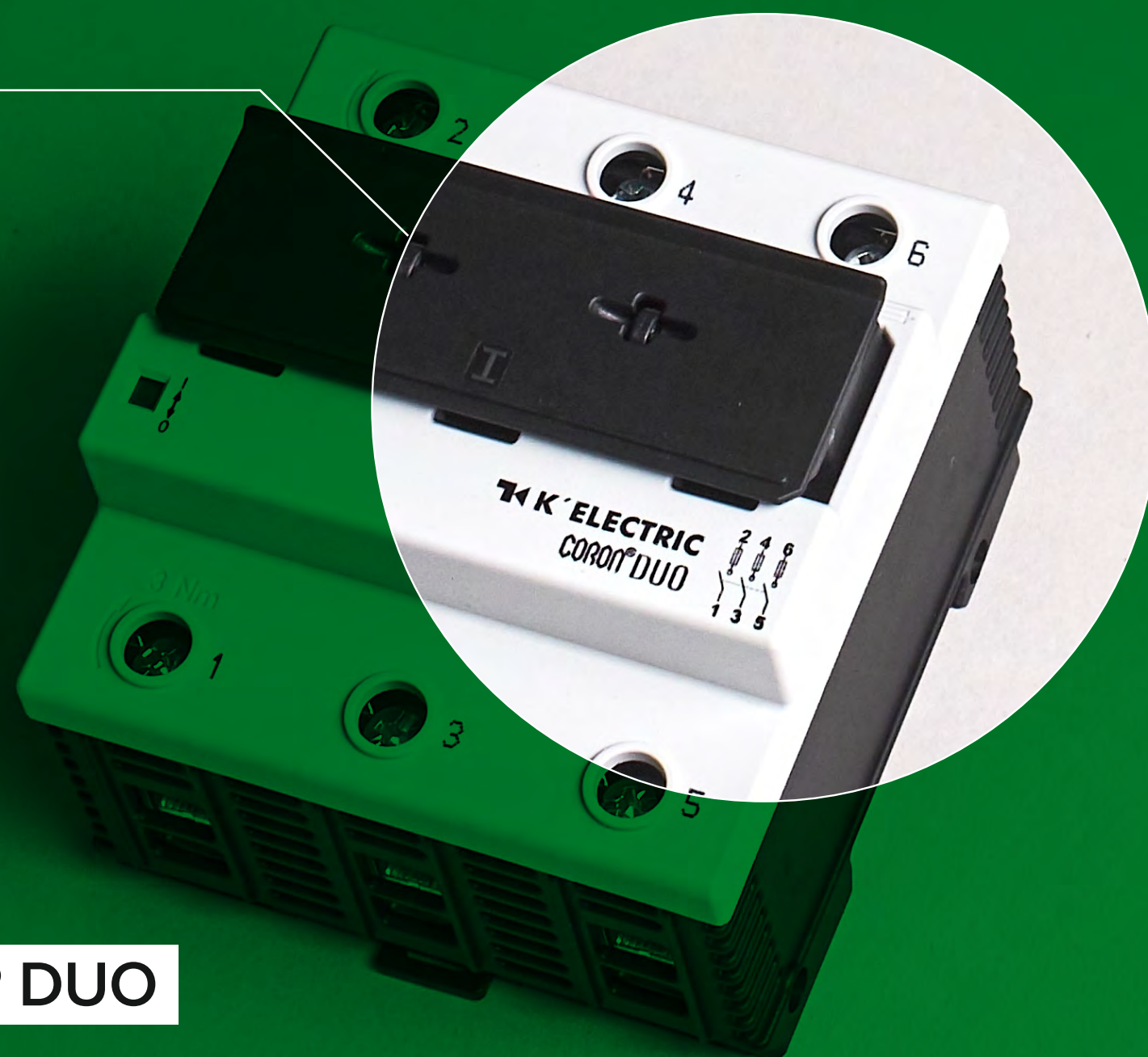
Item	Item-no.	PU
Terminator RJ10	10 1839	1
MODBUS Connector Interface RH/THBus to MODBUS	10 1830	1
RJ-connection cable 200mm	10 3730	1
RJ-connection cable 500mm	10 3731	1
RJ-connection cable 1000mm, more lengths on demand!	10 3732	1



Item	Item-no.	PU
Power supply 100-240V AC / 24V DC 10W	10 3700	1



Fuse switch-disconnector for baseplate mounting



D0 fuse links are the most common used protective devices in Europe. Modern fuse switchgear enables convenient and safe use of these fuses. And above all safe use of these fuses. Our D0 fuse switchgear stands for high operating safety, IEC conformity and the highest product quality. Our standard flashing indicator guarantees 100% fuse monitoring. State-of-the-art monitoring electronics provide all relevant information for the system operator.

CORON® DUO

TYTAN® II

D0 fuse switch-disconnector

Distinctive (Fool-proof) rated voltage with full coding (1-63A). The TYTAN® system encodes consistently over all ampere levels. Also between steps 13, 32 and 40A.

- ✓ integrated flashing indicator (OEFI)
- ✓ fuse plug
- ✓ full coding for all current amperages
- ✓ sealed and lockable



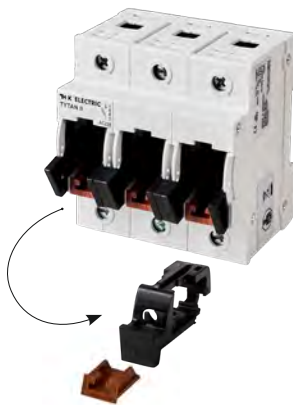
Item	Item-no.	PU
TYTAN® II 1 pole	10 2651	12
TYTAN® II 2 pole	10 2652	6
TYTAN® II 3 pole	10 2653	4
TYTAN® II 3 pole; with PEN-clamp	10 2649	3



Item	Item-no.	PU
TYTAN® II 1 pole+N (N leading / lagging)	10 2641	6
TYTAN® II 3 pole+N (N leading / lagging)	10 2643	3



Item	Item-no.	PU
TYTAN® II 1 pole; with auxiliary contact for switching status	10 2851	6
TYTAN® II 2 pole; with auxiliary contact for switching status	10 2852	4
TYTAN® II 3 pole; with auxiliary contact for switching status	10 2853	3
TYTAN® II 1 pole+N; with auxiliary contact for switching status	10 2841	4
TYTAN® II 3 pole+N; with auxiliary contact for switching status	10 2843	2



Item	Item-no.	PU
TYTAN® II 3 pole; 25A with fuses and fixed installation-fitting sleeves	10 2653.24ABF25	4
TYTAN® II 3 pole; 35A with Fuses and fixed installation-fitting sleeves	10 2653.24ABF35	4
TYTAN® II 3 pole; 40A with fuses and fixed installation-fitting sleeves	10 2653.24ABF40	4
TYTAN® II 3 pole; 50A with fuses and fixed installation-fitting sleeves	10 2653.24ABF50	4

TYTAN® II main protection

D0 fuse switch-disconnector with fuse monitoring relay

Distinctive (Fool-proof) rated voltage with full coding (1-63A). The TYTAN® system encodes consistently over all ampere levels. Also between steps 13, 32 and 40A.

- ✓ integrated flashing indicator (OEFI)
- ✓ fuse plug
- ✓ full coding for all current amperages
- ✓ sealed and lockable



Item	Item-no.	PU
TYTAN® II 1 pole; with fuse main protection 60–230/400V AC	10 2751	6
TYTAN® II 2 pole; with fuse main protection 60–230/400V AC	10 2752	4
TYTAN® II 3 pole; with fuse main protection 60–230/400V AC	10 2753	3
TYTAN® II 1 pole+N; with fuse main protection 60–230/400V AC (N leading / lagging)	10 2741	4
TYTAN® II 3 pole+N; with fuse main protection 60–230/400V AC (N leading / lagging)	10 2743	2
TYTAN® II 1 pole; with fuse main protection 60–110V DC	10 2751	6
TYTAN® II 2 pole; with fuse main protection 60–220V DC	10 2752	4
TYTAN® II 1 pole; with fuse main protection 24–60V AC/DC	10 2711	6
TYTAN® II 2 pole; with fuse main protection 24–60V AC/DC	10 2712	4
TYTAN® II 3 pole; with fuse main protection 24–60V AC/DC	10 2713	3

TYTAN® II fuse plugs (set)

- ✓ for the assembly of TYTAN® II load disconnecting switches and main protection incl. fuse link
- ✓ 1 Set: 3x fuse plugs with flashing indicator (in-plug) incl. safety insert, 3x pass insert, spar click box



1 Set: 3x fuse plugs with flashing indicator (in-plug)



Item	Identification color	60-400V AC Item-no.	PU
1 Set 1A	orange	10 2601	1/12
1 Set 2A	pink	10 2602	1/12
1 Set 4A	brown	10 2604	1/12
1 Set 6A	green	10 2606	1/12
1 Set 10A	red	10 2610	1/12
1 Set 13A	black	10 2613	1/12
1 Set 16A	grey	10 2616	1/12
1 Set 20A	blue	10 2620	1/12
1 Set 25A	yellow	10 2625	1/12
1 Set 32A	purple	10 2632	1/12
1 Set 35A	black	10 2635	1/12
1 Set 40A	green	10 2640	1/12
1 Set 50A	white	10 2650	1/12
1 Set 63A	copper	10 2663	1/12

TYTAN® II fuse plug – single



• single fuse plug

Item	Identification color	60-400V AC Item-no.	PU
1 Set 1A	orange	10 2601/1	1/12
1 Set 2A	pink	10 2602/1	1/12
1 Set 4A	brown	10 2604/1	1/12
1 Set 6A	green	10 2606/1	1/12
1 Set 10A	red	10 2610/1	1/12
1 Set 13A	black	10 2613/1	1/12
1 Set 16A	grey	10 2616/1	1/12
1 Set 20A	blue	10 2620/1	1/12
1 Set 25A	yellow	10 2625/1	1/12
1 Set 32A	purple	10 2632/1	1/12
1 Set 35A	black	10 2635/1	1/12
1 Set 40A	green	10 2640/1	1/12
1 Set 50A	white	10 2650/1	1/12
1 Set 63A	copper	10 2663/1	1/12

Accessories for TYTAN® II



Short-circuit plug as a separating knife; 1 set = 3 peaces

Item	Item-no.	PU
Print: „blind plug“	10 2300-1	1/12
Print: electric flash white	10 2300-2	1/12
Print: cutting knife	10 2300-3	1/12



Reclosing lockout in clickbox for din busbars

Item	Identification color	Item-no.	PU
Cylindrical lock 5A5	black	10 2007-1	1/12
Cylindrical lock 5A4	blue	10 2007-2	1/12
Cylindrical lock 5A3	green	10 2007-3	1/12
Cylindrical lock 5A1	yellow	10 2007-4	1/12
Cylindrical lock 5A2	red	10 2007-5	1/12
Plastic lock	black	10 2008-1	1/12
Plastic lock	blue	10 2008-2	1/12
Plastic lock	green	10 2008-3	1/12
Plastic lock	yellow	10 2008-4	1/12
Plastic lock	red	10 2008-5	1/12

Dummy

Item	Item-no.	PU
TYTAN® II dummy (empty fuse plug)	10 2300	1



TYTAN® I

D01 fuse switch-disconnector

- ✓ flashing indicator
- ✓ universal fuse plug
- ✓ LS-switch compatible
- ✓ no fitting sleeves necessary



Item	Item-no.	PU
TYTAN® I 1 pole	10 1651	12
TYTAN® I 2 pole	10 1652	6



Item	Item-no.	PU
TYTAN® I 3 pole	10 1653	4



Item	Item-no.	PU
TYTAN® I 1 pole+N (N leading / lagging)	10 1641	6
TYTAN® I 3 pole+N (N leading / lagging)	10 1643	3

IN-ON

D0 fuse switch-disconnector

- ✓ flashing indicator
- ✓ universal fuse plug
- ✓ sealable and lockable
- ✓ triggering by push button



Item	Item-no.	PU
IN-ON, 1 pole, flashing indicator, 63A	10 1771	12
IN-ON, 1 pole, flashing indicator, 10A fix sealed	10 1773	12
Plug reducing spring from D02 to D01	10 1774	12

Accessories

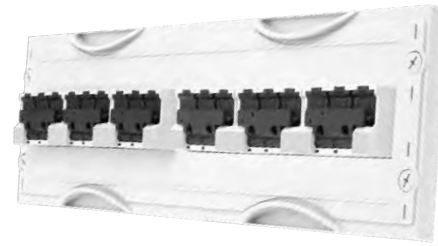
Item	Item-no.	PU
Shorting bolt for usage as seperating knife	10 1780	3



TYTAN® T

fuse switch-disconnector for D0
and cylindrical fuses 10 x 38 mm

- ✓ only 4TE construction width
- ✓ flashing indicator
- ✓ universal fuse plug
- ✓ fuse- and temperature monitoring (optional)



three TYTAN® T
in a 12 TE closeup



TYTAN® T, 400V~, D0: 2 – 63A, 10x38 mm: 2 – 32A

Item	Item-no.	PU
TYTAN® T 3 pole	10 4213	3
TYTAN® T 3 pole+N (N leading / lagging)	10 4215	3
TYTAN® T 3 pole with auxiliary contact 5A/250V for switching status	10 4217	3



TYTAN® T, 500V~, 10x38 mm: 2 – 25A

Item	Item-no.	PU
TYTAN® T 3 pole	10 4383	3
TYTAN® T 3 pole+N (N leading / lagging)	10 4385	3
TYTAN® T 3 pole with auxiliary contact 5A/250V for switching status	10 4387	3



Accessories

Item	Item-no.	PU
Plug – reducing spring (D02 to D01 and for 10x38mm fuses)	10 1774	12
Key lock in the clickbox	10 4664	1
Shorting bolt for usage as cutting knife	10 1780	3

TYTAN® T4P

additionally with optical phase display



400VAC~, D0: 2 – 63A, 10 x 38mm: 2 – 32A

Item	Item-no.	PU
TYTAN® T4P 3 pole + N	10 4255	3
TYTAN® T4P 3 pole + N, 20A	10 4255.20	3
TYTAN® T4P 3 pole + N, 25A	10 4255.25	3
TYTAN® T4P 3 pole + N, 35A	10 4255.35	3
TYTAN® T4P 3 pole + N, 50A	10 4255.50	3

TYTAN® T4H | T4HP | T4HR main protection

with signalling contact for fuse main protection, phase- and temperature monitoring

- ✓ only 4TE (72 mm) construction width
- ✓ flashing indicator
- ✓ universal fuse plug
- ✓ floating switch connect for: fuse main protection L1, L2, L3, phase monitoring L1, L2, L3 and temperature monitoring



400V~ – with signalling contact for fuse phase and overtemperature releases

Item	Item-no.	PU
TYTAN® T4H, 3 pole	10 4233	4
TYTAN® T4HP, 3 pole+N (N leading / lagging)	10 4235	4

400V~ – with signalling contact for overtemperature releases – no message for phase releases!

Item	Item-no.	PU
TYTAN® T4HR, 3 pole	10 4263	4
TYTAN® T4HR, 3 pole+N	10 4265	4
TYTAN® T4HR, 3 pole + auxiliary contact for switching status	10 4267	4

Accessories

Item	Item-no.	PU
Plug – reducing spring (D02 to D01 and for 10x38mm fuses)	10 1774	12
Key lock in der Klickbox	10 4664	1
Shorting bolt for usage as cutting knife	10 1780	3

TYTAN® TH1 main protection

with signal relay for fuse- and temperature monitoring

TYTAN® main protection signals fuse cutouts and forwards them to the external relay part via RJ-connection cable. At the same time a dangerous overheating of the switchgear is indicated and signaled. A potential-free break contact is available as an interface on the relay unit. Up to 12 switchgears can be monitored together as a collective fault signal by connecting them in series.

- ✓ fuse main protection and temperature monitoring
- ✓ potential free relay contact



400V~, D0: 2 – 63A; 10x38: 2 – 32A

Item	Item-no.	PU
TYTAN® TH1 3 pole	10 4703	3
TYTAN® TH1 3 pole + N (N leading / lagging), Use higher dinbars: 35x15mm!	10 4705	3

Accessories to
RJ monitoring
you will find
on page 22.

TYTAN® THBus

fuse and temperature monitoring with MODBus interface

- ✓ detailed fuse protection for max. 28 devices with MODBus interface
- ✓ control separated temperature and switching status



Item	Item-no.	PU
TYTAN® THBus 3 pole	10 1803	4
TYTAN® THBus 3 pole+N	10 1804	4
Power supply 100-240V AC/24V DC 10W	10 3700	1

Accessories

Item	Item-no.	PU
Terminator RJ10	10 1839	1
MODBus connector for switch-disconnector with D0 fuses	10 1830	1
RJ-connection cable 200mm	10 3730	1
RJ-connection cable 500mm	10 3731	1
RJ-connection cable 1000mm, other lengths on request!	10 3732	1

The technical data can be found on page 151.

CORON® DUO

D0 switch-disconnector incl. fuse plug with flashing indicator

- ✓ construction width of 27mm per pole
- ✓ flashing indicator
- ✓ mechanical contact configuration display
- ✓ with integrated signalling switch (optional)
- ✓ sealed
- ✓ easy fuse replacement due to fuse plug with touch protection
- ✓ feed-in on both sides
- ✓ double function terminal



Item	Item-no.	PU
CORON® DUO 1 pole	10 3301	12
CORON® DUO 2 pole	10 3302	6
CORON® DUO 3 pole	10 3303	4
CORON® DUO 4-pole	10 3304	3
CORON® DUO 3 pole + N	10 3306	3
CORON® DUO 1 pole + N	10 3305	6
CORON® DUO 1 pole + auxiliary contact	10 3307	3

Accessories

Item	Item-no.	PU
Plug – reducing spring (D02 to D01 and for 10x38mm fuses)	10 1774	12

CORON® 2

D0 fuse switch-disconnector

- ✓ flashing indicator
- ✓ universal fuse plug
- ✓ sealed
- ✓ lockable with key lock



Item	Item-no.	PU
CORON® 2, 1 pole	10 4651	12
CORON® 2, 2 pole	10 4652	6
CORON® 2, 3 pole	10 4653	4
CORON® 2, 1 pole + N (N leading / lagging)	10 4641	6
CORON® 2, 3 pole + N (N leading / lagging)	10 4643	3

Accessories

Item	Item-no.	PU
Key lock in the clickbox	10 4664	1
Plug – reducing spring (D02 to D01 and for 10x38mm fuses)	10 4601	12

Item	Item-no.	PU
CORON® 2, 3 pole, 25A with fuses and fixed fitting sleeves	10 4653AF25	4
CORON® 2, 3 pole, 35A with fuses and fixed fitting sleeves	10 4653AF35	4
CORON® 2, 3 pole, 40A with fuses and fixed fitting sleeves	10 4653AF40	4
CORON® 2, 3 pole, 50A with fuses and fixed fitting sleeves	10 4653AF50	4

D0 fuse base E14 | E18

- ✓ touch-protected version
- ✓ simple labelling option



Item	Item-no.	PU
Fuse base 1 pole (E14)	28 4001	15
Fuse base 1 pole (E18)	28 4011	15

Fuse base 3 pole (E14)	28 4003	5
Fuse base 3 pole (E18)	28 4013	5

NH fuse switch-disconnector for baseplate mounting | series KE

- ✓ assembly on the mounting plate
- ✓ parking status of the gearshift cover
- ✓ lid sealing
- ✓ integrated window lock



NH 000 AT / KE / 3 pole / 125A/690V

Item	Item-no.	PU
NH 000 AT box terminal, 2,5 – 50mm ²	20 2010	1
Signaling breaker for switching status	20 0852/000	1
Mounting set for DIN bars 125mm	20 0151	1
Mounting set for DIN bars 150mm	20 0152	1



NH 00 AT / KE / 3 pole / 160A/690V

Item	Item-no.	PU
NH 00 AT, 6 box terminal 4 – 70mm ²	20 3010	1
NH 00 AT, 6 connecting screws M8	20 3011	1
NH 00 AT, with v-connection clamp on bottom 25 – 120mm ² , clamp on top	20 3015	1
NH 00 AT, 6 box terminal 4 – 70mm ² , with electronic fuse main protection	20 3070	1
NH 00 AT, 6 box terminal 4 – 70mm ² , with fuse main protection/RJ interface for main protection system	20 3076	1

Accessories

Item	Item-no.	PU
Mounting set for DIN bars 125mm	20 0153	1
Mounting set for DIN bars 150mm	20 0154	1
Pluggable terminal compartment extension	20 0148	1
Signaling switch for circuit breaker	20 0852	1
Clamp Al/Cu, 1,5 – 70mm ² (1 set = 3 pieces)	14 0853	1



NH 1 AT / KE / 3 pole / 250A/690V

Item	Item-no.	PU
NH 1 AT with connecting screw M10	20 3110	1
Prism clamp Al/Cu, 70 – 150mm ² (piece)	20 0420	3
Pluggable terminal compartment extension	20 1148	1
Signaling switch for circuit breaker	20 1852	1
NH fuse switch-disconnector panel mounting, size 1, 250A, 6 connecting screws M10 with fuse main protection	20 3170	1
NH fuse switch-disconnector panel mounting size 1, 250A, 6 connecting screws M10 with fuse main protection with RJ interface for main protection system	20 3176	1



NH 2 AT / KE / 3 pole / 400A/690V

Item	Item-no.	PU
NH 2 AT with connecting screw M10	20 3210	1
NH 2 fuse switch-disconnector panel mounting 400A, 3 pole, connecting screws M12 with fuse main protection	20 3270	1
NH 2 fuse switch-disconnector panel mounting 400A, 3 pole, connecting screws M12 with fuse main protection/RJ interface for main protection system	20 3276	1
Prism clamp Al/Cu, 120 – 240mm ² (piece)	20 1237	3
Pluggable terminal compartment extension	20 2148	1
Signaling switch for circuit breaker	20 1852	1



NH 3 AT / KE / 3 pole / 630A/690V

Item	Item-no.	PU
NH 3 AT with connecting screw M12	20 3310	1
Signaling switch for circuit breaker	20 1852	1
Pluggable terminal compartment extension	20 3148	1

NH fuse switch-disconnector for baseplate mounting | series MULTIBLOC®

- ✓ assembly on the mounting plate
- ✓ modular system: Covers for service distribution board mounting
- ✓ parking status of the gearshift cover
- ✓ lid lock and sealed



MULTIBLOC® NH 00 AT / 1 pole / 2 pole / 160A/690V

Item	Item-no.	PU	
NH 00 AT 1 pole with clip-terminal-clamp 4–70mm ²	14 3019	1	
NH 00 AT 2 pole with 4 connecting screws M8	14 3018	1	
Cable cover (1 set = 2 pieces, 1 pole)	14 0149	1	
Mounting set for DIN bars 125mm	14 0151	1	
Mounting set for DIN bars 150mm	14 0152	1	



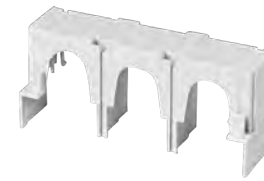
MULTIBLOC® NH 00 AT / 3 pole / 160A/690V

Item	Item-no.	PU	
NH 00 AT with 6 clip-terminal-clamp 4–70mm ²	14 3010	1	
NH 00 AT with 6 clip-terminal-clamp 4–70mm ² , with electrical fuse main protection	14 3070	1	1



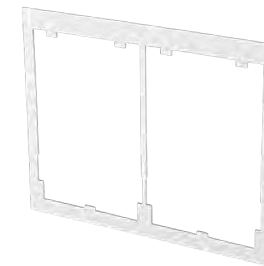
MULTIBLOC® / 3 pole + N / 160A/690V (incl. N cutting knife)

Item	Item-no.	PU	
NH 00 AT with connecting screw M8	14 3090	1	
Cover for service distribution board mounting	14 2764	1	



Accessories

Item	Item-no.	PU	
Signaling switch for circuit breaker	14 0852	1	
Cable cover (1 set = 2 pieces)	14 0148	1	
Mounting set for DIN bars 125mm	14 0153	1	
Mounting set for DIN bars 150mm	14 0154	1	



Item	Item-no.	PU	
Cover for service distribution board mounting, 1-fold, 123x190mm	14 0126	1	
Cover for service distribution board mounting, 2-fold, 231x190mm	14 0127	1	
Cover for service distribution board mounting, 3-fold, 33 9x190mm	14 0128	1	
Cover for service distribution board mounting, 1-fold, 123x210mm	14 3431	1	
Cover for service distribution board mounting, 2-fold, 231x210mm	14 2874	1	
Cover NH00, 2-fold with empty field cover 321x210	14 2870	1	
Sealing set	14 0155	1	
Signaling switch for circuit breaker	14 8051	1	
Connecting screw M8 (1 set = 3 pieces)	14 8052	1	
Clip terminal Al/Cu 1,5–70mm ² (1 set = 3 pieces)	14 8053	1	


MULTIBLOC® NH 1 AT / 1 pole / 2 pole / 250A/690V

Item	Item-no.	PU	
NH 1 AT 1 pole with connecting screw M10	14 3119	1	
NH 1 AT 2 pole with connecting screw M10	14 3118	1	

Accessories

Item	Item-no.	PU	
Cable cover (1 set = 2 pieces, 1 pole)	14 0354	1	
Mounting set for DIN bars 125mm	14 0402	1	
Mounting set for DIN bars 150mm	14 0403	1	
Sealing set	14 0155	1	
Signaling switch for circuit breaker	14 0852	1	


MULTIBLOC® NH 1 AT / 3 pole / 250A/690V

Item	Item-no.	PU	
NH 1 AT with 6 connecting screws M10	14 3110	1	
NH 1 AT with 6 connecting screws M10 with fuse main protection system	14 3170	1	

Accessories

Item	Item-no.	PU	
3 clip terminal clamp 70–150mm ²	14 0420	1	
Signaling switch for circuit breaker	14 0852	1	
Cable cover (1 set = 2 pieces)	14 0382	1	
Cover for service distribution board mounting, 1-fold, 210 x 260 mm	14 0353	1	
Cover for service distribution board mounting, 1-fold, 230 x 283 mm	14 2351	1	
Sealing set	14 0155	1	
Busbar adapter to 100mm - SaS-system	14 0491	1	


MULTIBLOC® NH 1 AT / 3 pole + N / 250A/690V

Item	Item-no.	PU	
NH 1 AT with connecting screws M10	14 3190		


MULTIBLOC® NH 2 AT / 3 pole / 400A/690V

Item	Item-no.	PU	
NH 2 AT with 6 connecting screws M10	14 3210	1	
NH 2 AT with 6 connecting screws M10 with fuse main protection system	14 3270	1	

Accessories

Item	Item-no.	PU	
3 clip terminal clamp 120–240mm ² (1 set)	14 1237	1	
Signaling switch for circuit breaker	14 0852	1	
Cable cover (1 set = 2 pieces)	14 0861	1	



Item	Item-no.	PU	
Cover for service distribution board mounting, 1-fold, 230 x 300mm	14 0863	1	
Cover for service distribution board mounting, 2-fold, 234 x 310mm	14 2352	1	
Busbar adapter to 100mm - SaS-system	14 0492	1	

MULTIBLOC® NH 3 AT / 3 pole / 630A/690V

Item	Item-no.	PU	
NH 3 AT with 6 connecting screws M12	14 3310	1	
NH 3 AT with 6 connecting screws M12 with fuse main protection system	14 3370	1	


Accessories

Item	Item-no.	PU	
3 clip terminal clamp 150–300mm ² (1 set)	14 1238	1	
Signaling switch for circuit breaker	14 0852	1	
Cable cover (1 set = 2 pieces)	14 0893	1	

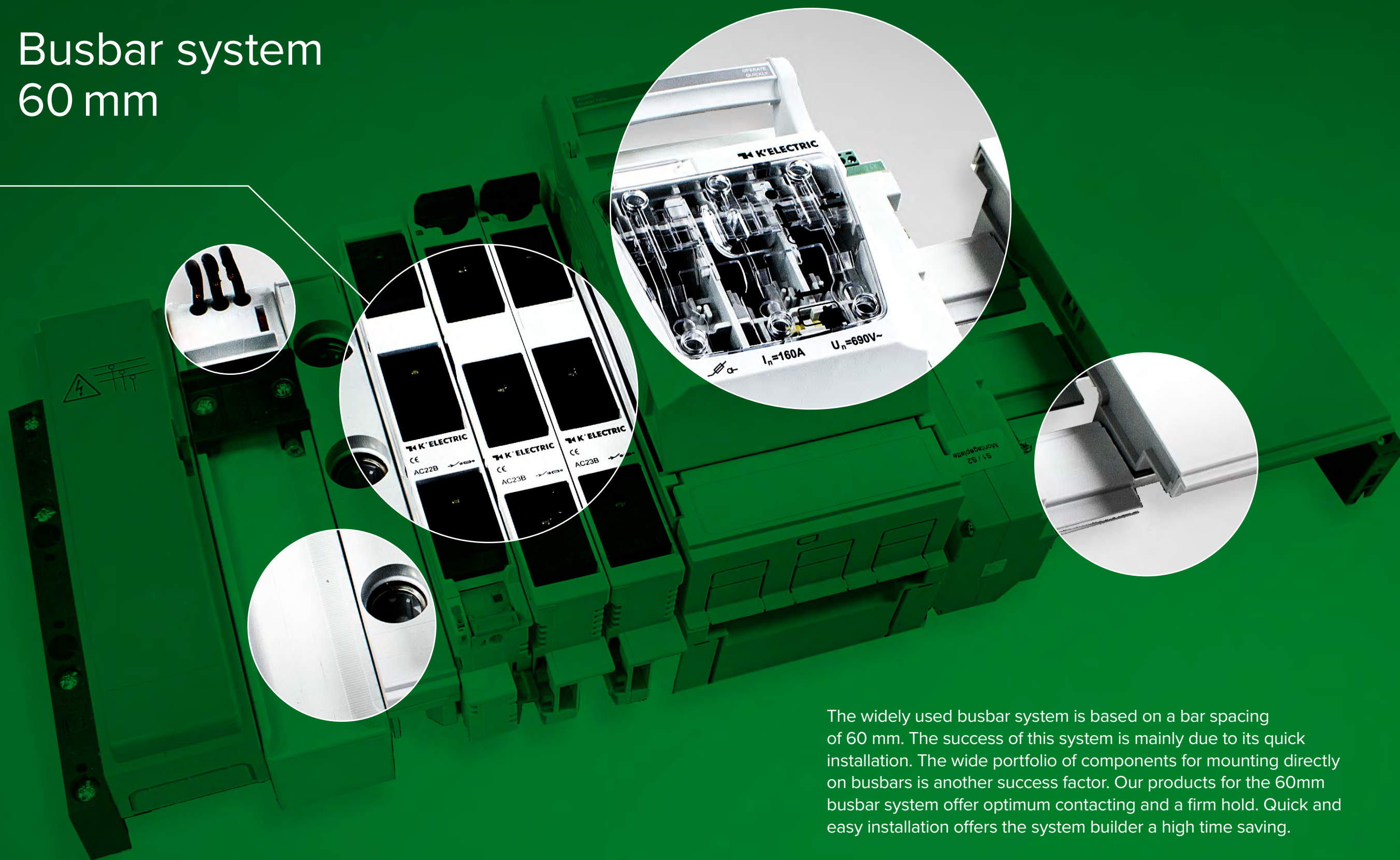


Item	Item-no.	PU	
Busbar adapter to 60mm - SaS-system	14 0490	1	
Busbar adapter to 100mm - SaS-system	14 0493	1	
Cover for service distribution board mounting, 1-fold	14 2353	1	





Busbar system 60 mm



The widely used busbar system is based on a bar spacing of 60 mm. The success of this system is mainly due to its quick installation. The wide portfolio of components for mounting directly on busbars is another success factor. Our products for the 60mm busbar system offer optimum contacting and a firm hold. Quick and easy installation offers the system builder a high time saving.

Busbar support

- ✓ reversible base
- ✓ for busbars 12–30mm / 5 and 10mm
- ✓ fits also for Striebel & John cabinets
- ✓ mounting inside



Item	Item-no.	PU	
3 pole, 2-hole mounting (inside); incl. width adjuster and mounting screws	10 6300	10	
external mounting attachable to 10 6300; incl. mounting screws	10 6301	20	
1 pole, attachable to 10 6300 or for 2 poles; incl. width adjuster and mounting screws	10 6302	10	
1 pole, for single mounting; incl. width adjuster and mounting screws	10 6304	10	
combination connector; for the production of a 2-pole beam with 2x 10 6302	10 6307	10	
end protection 3 pole; yellow with warning triangle	10 6303	10	
Z - end protection 3 pole; yellow with warning triangle	10 6308	10	
end protection 1 pole	10 6310	10	
Z - end protection 1 pole	10 6311	10	
Busbar support 2 pole, 1 mounting hole	10 6004	10	
Busbar support 2 pole, 2 mounting holes	10 6005	10	

- ✓ reversible base
- ✓ for busbars 12–30mm / 5 and 10mm
- ✓ fits for Siemens cabinets
- ✓ mounting inside



Item	Item-no.	PU	
Busbar support for Siemens / 3 pole / hole spacing 75mm	10 6330	10	
Matching cover	10 6003	10	

Bus mouting fuse base D-Switch E18

- ✓ designation field unmistakable – at the base
- ✓ low loss stainless steel terminal
- ✓ lateral touch protection
- ✓ pluggable rear grip protection



Item	Item-no.	PU	
Bus-mounting fuse base 27mm without cover	10 6022	10	
Bus-mounting fuse base 27mm with cover	10 6023	10	
Bus-mounting fuse base 36mm with cover and widening	10 6028	10	
Bus-mounting fuse base 54mm with cover and widening	10 6029	10	

Item	Item-no.	PU	
Cover 27mm	10 6011	10	
Cover 36mm, incl. widening	10 6012	10	
Cover 54mm, incl. widening	10 6013	10	
Cover pair	10 6016	10	
Single left	10 6017	10	
Single right	10 6018	10	

Item	Item-no.	PU	
Lateral touch protection - pluggable as rear grip protection	10 6026	10	

Connection modules | terminals

connection screws – protective covers – with warning triangle
incl. conductor / rail protection plate



Grey

Item	Item-no.	PU	
54mm width, low height 44mm, for clamps 16... 50mm ²	10 6096	2	
108mm width, low height 44mm, for clamps 16... 70mm ²	10 6097	1	
108mm width, low height 80mm, for clamps 16... 185mm ²	10 6098	1	



Yellow

Item	Item-no.	PU	
54mm width, low height 44mm, for clamps 16... 50mm ²	10 6090	2	
108mm width, low height 44mm, for clamps 16... 70mm ²	10 6091	1	
108mm width, low height 80mm, for clamps 16... 185mm ²	10 6092	1	



Busbar – protective cover / grey
(without rail protection plate)

Item	Item-no.	PU	
54mm wide, low height 44mm	10 6033	2	
108mm wide, low height 44mm	10 6034	1	
108mm wide, low height 80mm	10 6035	1	



Accessories (Conductor terminals)

U-clamp for Cu ladders

Item	Item-no.	PU	
1,5 ... 16mm ² , for busbars 5mm	11 6051	100	
4,0 ... 35mm ² , for busbars 5mm	11 6052	50	
10 ... 50mm ² , for busbars 5mm	11 6053	50	
16 ... 70mm ² , for busbars 5mm	11 6054	10	
16 ... 120mm ² , for busbars 5mm	11 6055	10	
50 ... 185mm ² , for busbars 5mm	11 6056	10	

1,5 ... 16mm ² , for busbars 10mm	11 6061	100	
4,0 ... 35mm ² , for busbars 10mm	11 6062	50	
10 ... 50mm ² , for busbars 10mm	11 6063	50	
16 ... 70mm ² , for busbars 10mm	11 6064	10	
16 ... 120mm ² , for busbars 10mm	11 6065	10	
50 ... 185mm ² , for busbars 10mm	11 6066	10	

U-clamp with fixed pressure plate for Cu/Al ladders*

Item	Item-no.	PU	
1,5 ... 16mm ² , for busbars 5mm	11 6070	50	
4,0 ... 35mm ² , for busbars 5mm	11 6071	50	
16 ... 70mm ² , for busbars 5mm	11 6072	10	
16 ... 120mm ² , for busbars 5mm	11 6073	10	
50 ... 185mm ² , for busbars 5mm	11 6074	10	

1,5 ... 16mm ² , for busbars 10mm	11 6080	50	
4,0 ... 35mm ² , for busbars 10mm	11 6081	50	
16 ... 70mm ² , for busbars 10mm	11 6082	10	
16 ... 120mm ² , for busbars 10mm	11 6083	10	
50 ... 185mm ² , for busbars 10mm	11 6084	10	

* Al conductor only possible if Cu flat bar is tinned!

U-clamp for direct connection with aluminum ladders

Item	Item-no.	PU	
1,5 ... 16mm ² , for busbars 5mm	11 6089	20	
4,0 ... 35mm ² , for busbars 5mm	11 6090	20	
16 ... 70mm ² , for busbars 5mm	11 6091	10	
16 ... 120mm ² , for busbars 5mm	11 6092	10	
50 ... 185mm ² , for busbars 5mm	11 6093	10	

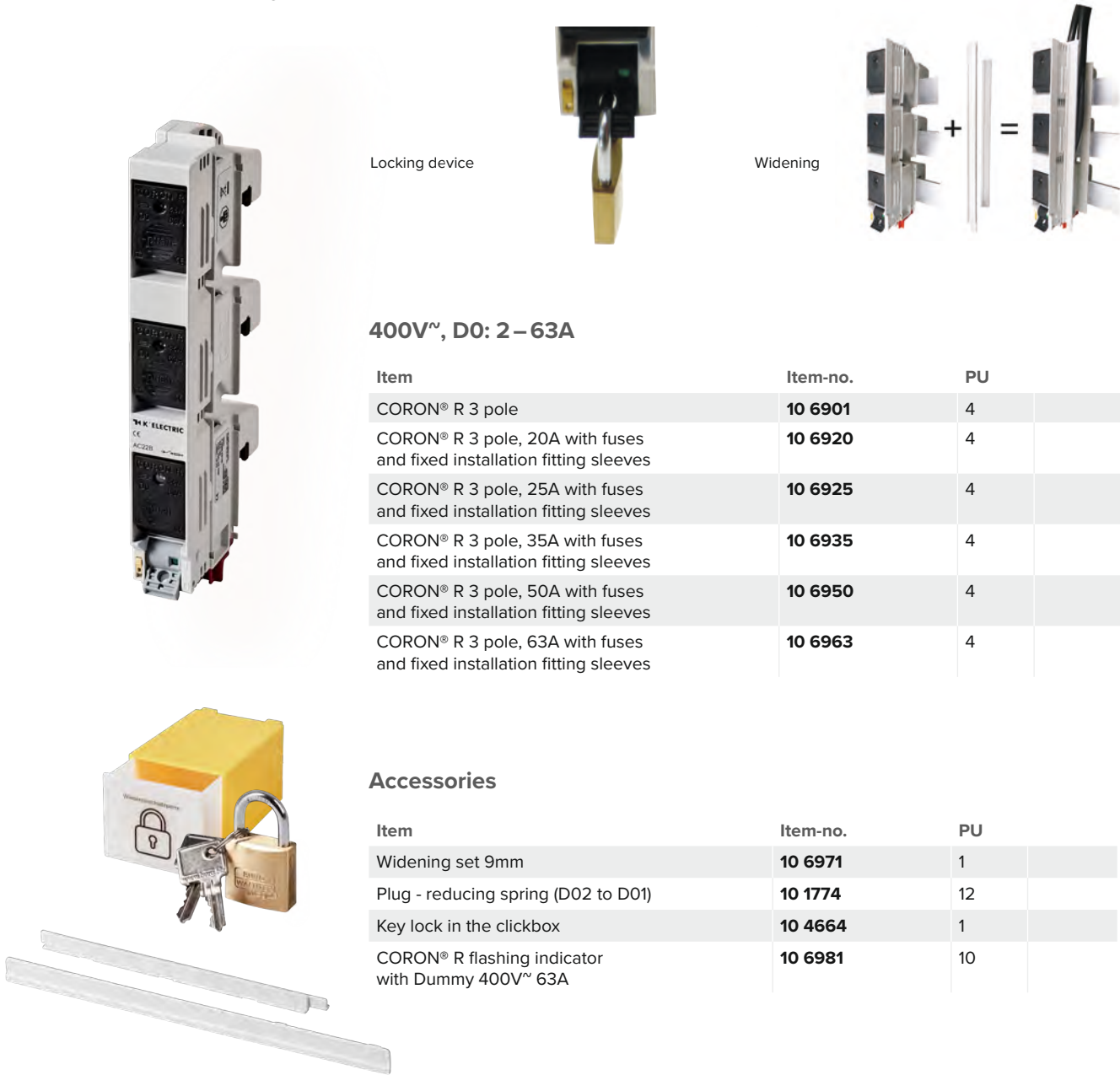
1,5 ... 16mm ² , for busbars 10mm	11 6094	20	
4,0 ... 35mm ² , for busbars 10mm	11 6095	20	
16 ... 70mm ² , for busbars 10mm	11 6096	10	
16 ... 120mm ² , for busbars 10mm	11 6097	10	
50 ... 185mm ² , for busbars 10mm	11 6098	10	



CORON® R

D0 fuse switch-disconnector

- ✓ flashing indicator
- ✓ fuse plug
- ✓ lockable
- ✓ compact and low construction height
- ✓ optional widening



400V~, D0: 2 – 63A

Item	Item-no.	PU
CORON® R 3 pole	10 6901	4
CORON® R 3 pole, 20A with fuses and fixed installation fitting sleeves	10 6920	4
CORON® R 3 pole, 25A with fuses and fixed installation fitting sleeves	10 6925	4
CORON® R 3 pole, 35A with fuses and fixed installation fitting sleeves	10 6935	4
CORON® R 3 pole, 50A with fuses and fixed installation fitting sleeves	10 6950	4
CORON® R 3 pole, 63A with fuses and fixed installation fitting sleeves	10 6963	4

Accessories

Item	Item-no.	PU
Widening set 9mm	10 6971	1
Plug - reducing spring (D02 to D01)	10 1774	12
Key lock in the clickbox	10 4664	1
CORON® R flashing indicator with Dummy 400V~ 63A	10 6981	10

TYTAN® R

D0 mounting base disconnecter with fuses

- ✓ flashing indicator
- ✓ all-pole switching
- ✓ fuse plug
- ✓ 27mm construction width
- ✓ optional widening
- ✓ lockable
- ✓ optional current measurement in fuse plug
- ✓ for 5 – 10mm thick and 12 – 30mm wide busbars
- ✓ optional signaling circuit for switching status (upgrade possible for 3 pole version)



400V~, D0: 2 – 63A; 10x38: 2 – 32A 400V~

Item	Item-no.	PU
TYTAN® R 3 pole, AC23B	10 6601	3
TYTAN® R 3 pole+N, AC23B	10 6602	3
TYTAN® R 3 pole with auxiliary contact, AC23B	10 6603	3
TYTAN® R 3 pole+N with auxiliary contact, AC23B	10 6604	3
TYTAN® RS 3 pole, AC22B	10 6611	3
3 pole, 20A with fuses and fixed installation fitting sleeves	10 6601.24ABF20	3
3 pole, 25A with fuses and fixed installation fitting sleeves	10 6601.24ABF25	3
3 pole, 35A with fuses and fixed installation fitting sleeves	10 6601.24ABF35	3
3 pole, 50A with fuses and fixed installation fitting sleeves	10 6601.24ABF50	3

500V~, 10x38: 2 – 25A

Item	Item-no.	PU
TYTAN® R 3 pole, AC23B	10 6631	3
TYTAN® R 3 pole+N, AC23B	10 6632	3
TYTAN® R 3 pole with auxiliary contact, AC23B	10 6633	3
TYTAN® R 3 pole+N with auxiliary contact, AC23B	10 6634	3

Accessories

Item	Item-no.	PU
Rear grip protection; pluggable top and bottom	10 6626	10
Plug reducing spring (D02 to D01)	10 1774	12
Key lock in the clickbox	10 4664	1
Shorting pin for use as cutting knife	10 1780	3
Widening for TYTAN® R (13,5mm wide)	10 6610	10
Auxiliary contact for switching status (upgrade for 10 6611)	10 6693	1
TYTAN® R 3 flashing indicators with dummy 400 V~ 63 A incl. additional retaining spring D01	10 6620/1	1
Current measuring plug for TYTAN® R	10 6675/1	1

TYTAN® RH4 main protection

with signalling contact for fuse release and overtemperature

TYTAN® main protection signals fuse releases and routes them forward. At the same time a dangerous overheating of the switchgear is indicated and signaled. The TYTAN® RH4 does not need to be supplied with external voltage.

- ✓ flashing indicator

✓ self-supplied

✓ fuse plug
- ✓ 36mm construction width

✓ lockable



400V~, D0: 2...63A; 10x38: 2...32A

Item	Item-no.	PU	
TYTAN® RH4 3 pole	10 6711	2	
TYTAN® RH4 3 pole+N (N leading / lagging)	10 6712	2	
TYTAN® RH4 3 pole incl. switching status	10 6713	2	
TYTAN® RH4 3 pole+N incl. switching status	10 6714	2	1

The technical data can be found on page 131.

TYTAN® RH1 main protection

with temperature- and fuse main protection system

TYTAN® main protection signals fuse releases and routes them via RJ-connection cable to the external relay unit. At the same time, a dangerous overheating of the switchgear is indicated and reported. A potential-free break contact is available as an interface on the relay unit. As a collective fault signal, up to 12 switchgears can be monitored together by connecting them in series.

- ✓ fuse- and temperature monitoring
- ✓ potential-free relay contact



400V~, D0: 2 – 63A; 10 x38: 2 – 32A

Item	Item-no.	PU	
TYTAN RH1 3 pole	10 6701	2	
TYTAN RH1 3 pole+N (N leading / lagging)	10 6702	2	

500V~, 10x38: 2 – 25A

Item	Item-no.	PU	
TYTAN RH1 3 pole	10 6731	2	
TYTAN RH1 3 pole+N (N leading / lagging)	10 6732	2	



Accessories for RJ monitoring can be found on page 22.

TYTAN® RHBus

fuse- and temperature monitoring with MODBus interface



TYTAN® RHBus reports fuse releases, overtemperatures and the switching positions of the switchgear connected via RJ-connection lines. Up to 28 devices can be monitored together. The connector takes over the power supply of the bus as well as the connection to the MODBus RTU interface.

- ✓ detailed fuse monitoring for up to 28 devices via MODBus RTU interface
- ✓ control of the individual temperatures and switching positions



Item	Item-no.	PU	
TYTAN® RHBus 3 pole	10 1801	2	
TYTAN® RHBus 3 pole+N, (N leading / lagging)	10 1802	2	

Accessories

Item	Item-no.	PU	
Terminator RJ10	10 1839	1	
MODBUS connector for switch-disconnectors with D0 fuses	10 1830	1	
RJ-connection cable 200mm	10 3730	1	
RJ-connection cable 500mm	10 3731	1	
RJ-connection cable 1000mm / more lenght on request!	10 3732	1	

Item	Item-no.	PU	
Power supply 100-240V AC / 24V DC 10W	10 3700	1	

Busbar adapter

- ✓ mounting rail adjustable in mm dimension
- ✓ low-loss double contacting
- ✓ attachable widening



16 A | 2,5mm² | AWG 14

Item	Mounting rail	Item-no.	PU
Width: 45mm, lenght: 207mm, without connections	1	10 6516	2
Width: 45mm, lenght: 207mm	1	10 6520	2

25 A | 4mm² | AWG 12

Item	Mounting rail	Item-no.	PU
Width: 45mm, lenght: 207mm	1	10 6521	2
Width: 45mm, lenght: 207mm	2	10 6522	2
Width: 45mm, lenght: 260mm	2	10 6523	2
Width: 90mm, lenght: 207mm	2	10 6524	2

32 A | 6mm² | AWG 10

Item	Mounting rail	Item-no.	PU
Width: 45mm, lenght: 207mm	1	10 6525	2
Width: 54mm, lenght: 207mm	1	10 6526	2
Width: 54mm, lenght: 207mm	2	10 6527	2
Width: 54mm, lenght: 260mm	2	10 6528	2
Width: 63mm, lenght: 207mm	1	10 6529	2
Width: 72mm, lenght: 207mm	1	10 6530	2
Width: 72mm, lenght: 260mm	2	10 6531	2
Width: 81mm, lenght: 207 mm	2	10 6532	2

63 A | 10mm² | AWG 8

Item	Mounting rail	Item-no.	PU
Width: 54mm, lenght: 207mm	1	10 6533	2
Width: 54mm, lenght: 207mm	2	10 6534	2
Width: 54mm, lenght: 260mm	2	10 6535	2
Width: 63mm, lenght: 207mm	1	10 6536	2
Width: 72mm, lenght: 207mm	1	10 6537	2
Width: 72mm, lenght: 260mm	2	10 6538	2
Width: 81mm, lenght: 207mm	2	10 6539	2

80 A | 16mm² | AWG 6

Item	Mounting rail	Item-no.	PU
Width: 72mm, lenght: 207mm	1	10 6543	2
Width: 72mm, lenght: 260mm	2	10 6544	2



Accessories

Item	Mounting rail	Item-no.	PU
Width: 9mm, lenght: 207mm	Widening 9mm	10 6561	10
Width: 45mm	PIN busbar	10 6560	10
Width: 45mm	Mounting rail	10 6551	10
Width: 54mm	Mounting rail	10 6552	10
Width: 63mm	Mounting rail	10 6553	10
Width: 72mm	Mounting rail	10 6554	10
Width: 81mm	Mounting rail	10 6555	10
Width: 90mm	Mounting rail	10 6556	10

TYTAN® busbar adapter

TYTAN® D0-Switch disconnecter is ready for connection to 60mm busbar adapter including power feed-in with touch protection



Item	Structure	100mm Item-no.	125mm Item-no.	150mm Item-no.	PU
TYTAN® I Mono	1x3 pole	10 6201	10 6201	–	1
TYTAN® I Mono	3x1 pole	10 6203	10 6203	–	1
TYTAN® I Duo	2x3 pole	10 6202	10 6206	–	1
TYTAN® I Duo	6x1 pole	10 6204	10 6207	–	1
TYTAN® I Duo	3x1 + 1x3	10 6205	10 6208	–	1
TYTAN® II Mono	1x3 pole	10 6221	10 6221	10 6234	1
TYTAN® II Mono	3x1 pole	10 6223	10 6223	10 6235	1
TYTAN® II Duo	2x3 pole	10 6222	10 6226	10 6229	1
TYTAN® II Duo	6x1 pole	10 6224	10 6227	10 6230	1
TYTAN® II Duo	3x1 + 1x3	10 6225	10 6228	10 6231	1
TYTAN® II Mono	1x2 pole	10 6239	10 6239	–	1
TYTAN® II Mono	2x1 pole	10 6240	10 6240	–	1
TYTAN® II Duo	2x2 pole	10 6237	10 6232	–	1
TYTAN® II Duo	4x1 pole	10 6238	10 6233	–	1

The technical data can be found on page 197.

3 phase current transformer

for 60mm busbar systems (5A, class 1)

- ✓ hole center distance by 60mm
- ✓ for busbar thicknesses (12 x 5 – 30 x 10mm)
- ✓ 54mm width
- ✓ all-round contact protection of the busbars
- ✓ flexible applicable in the installation cabinets and on mounting plates



Item	Item-no.	VA (class 1)	PU
Rated current: 100A 5A	22 1013-100 / 5A	1 VA	1
Rated current: 150A 5A	22 1013-150 / 5A	1,5 VA	1
Rated current: 200A 5A	22 1013-200 / 5A	2,5 VA	1
Rated current: 250A 5A	22 1013-250 / 5A	2,5 VA	1
Rated current: 400A 5A	22 1013-400 / 5A	3,75 VA	1
Rated current: 600A 5A	22 1013-600 / 5A	5 VA	1
Rated current: 630A 5A	22 1013-630 / 5A	5 VA	1

TYTAN® II main protection for busbar adapter



Item	Structure	100mm Item-no.	125mm Item-no.	150mm Item-no.	PU
TYTAN® II Mono	1x3 pole	–	10 6275	10 6277	1
TYTAN® II Duo	2x3 pole	–	10 6276	10 6278	1
TYTAN® II Mono	1x2 pole	–	10 6285	–	1
TYTAN® II Duo	2x2 pole	–	10 6289	–	1

The technical data can be found on page 127.

NH fuse switch-disconnector VSD

for mounting on busbar systems 60mm

- ✓ symmetrical fuse switch-disconnector: cable connection at top/bottom free selectable
- ✓ touch protection IP30 with central cover
- ✓ parking status of the switch cover, uses NH fuse inserts



NH 00 VSD/60mm / 3 pole / 160A/690V

Item	Item-no.	PU
NH 00 VSD clip terminal clamp 4-70mm ² / M8 screws	20 8050	1
NH 00 VSD v frame terminal 4-95mm ²	20 8052	1
NH 00 VSD ESÜ clip terminal clamp/screws with electronical fuse main protection, connection bottom	20 8054	1

The technical data can be found on page 199.

NH fuse switch-disconnector for panel mounting | series KE

- ✓ integrated window lock
- ✓ drillless mounting on 60mm busbar system
- ✓ for 12 - 30mm width and 5 - 10mm thickness
- ✓ integrated touch protection
- ✓ sealed
- ✓ optional fuse main protection (not for NH 000)
- ✓ NH 000 RT only 54mm construction width



NH 000 RT / 3 pole / 125A / 690V / KE

Item	Item-no.	PU	
NH 000 RT v frame terminal 2,5–50mm ² , connection on bottom	20 9010	1	
NH 000 RT, v frame terminal 2,5–50mm ² , connection on top	20 9011	1	
Meldeswitch for Switching status	20 0852/000	1	



NH 00 RT / 3 pole / 160A / 690V / KE

Item	Item-no.	PU	
NH 00 RT v frame terminal 2,5–95mm ² , connection on bottom	20 8010	1	
NH 00 RT v frame terminal 2,5–95mm ² , connection on top	20 8011	1	
NH 00 RT connecting screw M8, connection on bottom	20 8012	1	
NH 00 RT connecting screw M8, connection on top	20 8013	1	



Item	Item-no.	PU	
NH 00 RT v frame terminal 2,5–95mm ² connection on bottom with electronic fuse monitoring	20 8070	1	
NH 00 RT v frame terminal 2,5–95mm ² connection on top with electronic fuse monitoring	20 8071	1	
NH 00 RT, v frame terminal 2,5–95mm ² connection on bottom, with electronic fuse monitoring / RJ interface for main protection system	20 8076	1	
NH 00 RT, v frame terminal 2,5–70mm ² connection on top, with electronic fuse monitoring / RJ interface for main protection system	20 8077	1	1

Accessories

Item	Item-no.	PU	
Connection chamber extension, pluggable	20 0148	1	
Signaling switch for circuit breaker	20 0852	1	
clamp terminals Al/Cu, 1,5–70mm ² (1 set = 3 pieces)	20 8053	1	



NH 1 RT / 3 pole / 250A / 690V

Item	Item-no.	PU	
NH 1 RT, connecting screw M10, connection on bottom	20 8110	1	
NH 1 RT, connecting screw M10, connection on top	20 8111	1	
NH 1 RT switch-disconnector 250A, 3 pole, KE / connection on bottom, v clamp	20 8112	1	
NH 1 RT switch-disconnector 250A, 3 pole, connection on bottom / connecting screws M12, incl. electronic fuse monitoring	20 8170	1	
NH 1 RT switch-disconnector 250A, 3pole, connection on top, connecting screws M12, incl. electronic fuse monitoring	20 8171	1	
NH 1 RT switch-disconnector 250A, 3pole, connection on bottom, connecting screws M10, incl. electronic fuse monitoring with RJ interface for the main protection system	20 8176	1	
NH 1 RT switch-disconnector 250A, 3 pole, connection on top connecting screws M10, incl. electronic fuse monitoring with RJ interface for the main protection system	20 8177	1	
Connection chamber extension, pluggable	20 1148	1	
Signaling switch for circuit breaker	20 1852	1	
Prism clamp Al/Cu, 70 – 150mm ² (1 piece)	20 0420	3	



NH 2 RT / 3 pole / 400A / 690V

Item	Item-no.	PU	
NH 2 RT connecting screw M10, connection on bottom	20 8210	1	
NH 2 RT connecting screw M10, connection on top	20 8211	1	
NH 2 RT switch-disconnector 400A, 3 pole, connection on bottom, V clamp	20 8212	1	
NH 2 RT switch-disconnector 400A, 3 pole, connection on bottom, connecting screws M12, incl. electronic fuse monitoring	20 8270	1	
NH 2 RT switch-disconnector 400A, 3 pole, connection on top, connecting screws M12, incl. electronic fuse monitoring	20 8271	1	
NH 2 RT switch-disconnector 400A, 3pol., connection on bottom, connecting screws M12, incl. electronic fuse monitoring with RJ interface for the main protection system	20 8276	1	
NH 2 RT switch-disconnector, size 1, 250 A, 6 connecting screws M12, incl. electronic fuse monitoring with RJ interface for the main protection system	20 8277	1	
Prism clamp Al/Cu, 120 – 240mm ² (1 piece)	20 1237	3	
Connection chamber extension, pluggable	20 2148	1	
Signaling switch for circuit breaker	20 1852	1	



NH 3 RT / 3 pole / 630A / 690V

Item	Item-no.	PU	
NH 3 RT connecting screw M12, connection on bottom	20 8310	1	
NH 3 RT connecting screw M12, connection on top	20 8311	1	
Signaling switch for circuit breaker	20 1852	1	
Connection chamber extension, pluggable	20 3148	1	

NH fuse switch-disconnector for panel mounting | series MULTIBLOC®

- ✓ drillless mounting
- ✓ for 12 - 30mm width and 5 - 10mm thickness
- ✓ optional fuse main protection
- ✓ integrated touch protection
- ✓ sealed
- ✓ NH 00 | NH 1 lockable
- ✓ connection on top/bottom selectable (not for NH 000)



MULTIBLOC® NH 000 RT / 3 pole, 100A/690V, 54mm width

Item	Item-no.	PU
NH 000 RT, v frame terminal 2,5–50mm ² connection on bottom	14 9010	1
NH 000 RT, v frame terminal 2,5–50mm ² , connection on top	14 9011	1
NH 000 fuse switch-disconnector for panel mounting, 100 A, ESÜ, connection on bottom, 54mm width - with electronic fuse monitoring	14 9070	1
NH 000 fuse switch-disconnector for panel mounting, 100 A, ESÜ, connection on top, 54mm width - with electronic fuse monitoring	14 9071	1
Signaling switch for circuit breaker	14 0643	1
Cable cover (1 set = 2 pieces)	14 0644	1



MULTIBLOC® NH 00 RT / 3 pole / 160A/690V

Item	Item-no.	PU
NH 00 RT, 3 connecting screws M8, 3 v frame terminal, 4–70mm ²	14 8010	1
NH 00 RT, 3 v frame terminal, 2,5–70mm ²	14 8012	1
NH 00 RT, 3 connecting screws M8, 3 v frame terminal, 4–70mm ² with electronic fuse monitoring	14 8070	1

Accessories

Item	Item-no.	PU
Clamp Al/Cu, 1,5–70mm ² (1 set = 3 pieces)	14 0853	1
Signaling switch for circuit breaker	14 0852	1
Handle protection as rear grip protection (piece)	14 0147	1

Accessories

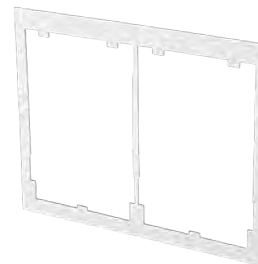
Item	Item-no.	PU
Shroud for cabinets with central cover, 1-fold, 123x190mm	14 0126	1
Shroud for cabinets with central cover, 2-fold, 231x190mm	14 0127	1
Shroud for cabinets with central cover, 3-fold, 339x190mm	14 0128	1
Shroud for cabinets with central cover, 1-fold, 123x210mm	14 3431	1
Shroud for cabinets with central cover, 2-fold, 231x210mm	14 2874	1
Shroud NH00, 2-fold with empty hole 321 x 210mm	14 2870	1
Sealing set	14 0155	1
Cable cover (1 set = 2 pieces)	14 0148	1

MULTIBLOC® NH 1 RT / 3 pole / 250A/690V

Item	Item-no.	PU
NH 1 RT with 3 connecting screws M10	14 8110	1
NH 1 RT with 3 connecting screws M10, with electronic fuse monitoring	14 8170	1
3 v frame terminal, 70–150mm ²	14 0420	1
Signaling switch for circuit breaker	14 0852	1
Touch protection as rear grip protection (1 set = 2 pieces)	14 0355	1
Cable cover (1 set = 2 pieces)	14 0382	1
Shroud for cabinets with central cover, 1-fold, 210x260mm	14 0353	1
Shroud for cabinets with central cover, 1-fold, 230x283mm	14 2351	1
Sealing set	14 0155	1

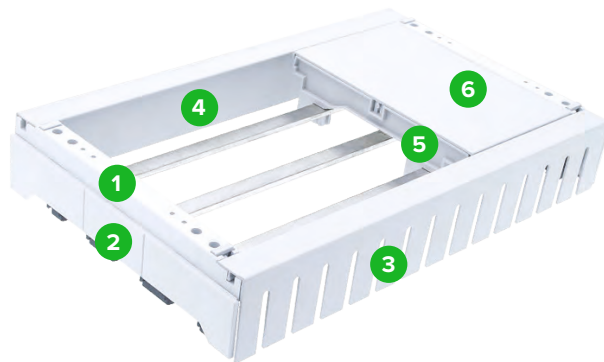
MULTIBLOC® NH 2 RT / 3 pole / 400A/690V

Item	Item-no.	PU
NH 2 RT with 3 connecting screws M10	14 8210	1
NH 2 RT with 3 connecting screws M10, with electronic fuse monitoring	14 8270	1
3 v frame terminal, 120–240mm ²	14 1237	1
Signaling switch for circuit breaker	14 0852	1
Touch protection as rear grip protection	14 0862/1	1
Cable cover (1 set = 2 pieces)	14 0861	1
Shroud for cabinets with central cover, 1-fold, 230x300mm	14 0863	1
Shroud for cabinets with central cover, 1-fold, 234x310mm	14 2352	1

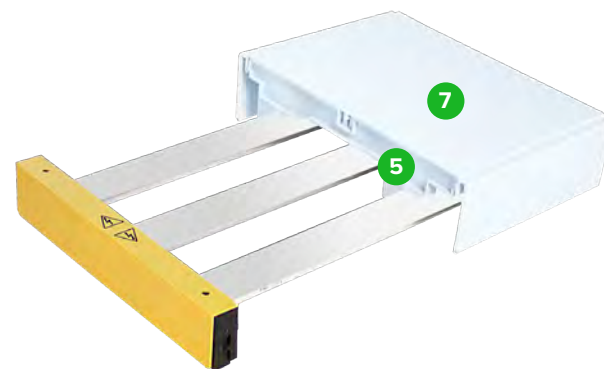


Cover system

several cover systems of touch protection for the 60mm system



Item	Item-no.	PU	
1 Cover shroud for bus bar support 10 6300	12 6070	10	
2 Side cover for partition and shroud system	12 6071	10	
3 Cover profile slitted; 1000mm long	12 6072	5	
4 Cover profile closed; 1000mm long	12 6073	5	
5 Panel mount; support edge 32mm	12 6074	10	
6 Panel cover 1000mm long	12 6075	2	



U-shaped cover profile

Item	Item-no.	PU	
5 Panel mount; support edge 32mm	12 6074	10	
7 Panel cover 1000mm long (U-shape)	13 6075	2	

PANCERO busbar cover / track protection

- ✓ click closure – can only be opened with tools
- ✓ high temperature resistant plastic PA66
- ✓ 1000mm lenght
- ✓ for busbars width: 12, 15, 20, 25, 30mm
- ✓ can be cut to length individually



Item	Item-no.	PU	
PANCERO busbar cover 5mm, 1000mm lenght	10 6335	16	
PANCERO busbar cover 10mm, 1000mm lenght	10 6340	10	



Busbar system 100mm | 185mm



Series VSD

**NH strip-type
fuse switch-
disconnecter**

The other versions of the busbar system with a bar spacing of 100 or 185 mm also promise efficiency and a wide range of possibilities. The simple installation, optimum contacting and fixing of the modules is also an absolute added value here. For example, NH fused insulators (NH00 to NH3 VSD), a variety of system strips and matching accessories for perfect use in your system are a must.

Busbar support

for 100 and 185mm systems

- ✓ drillless mounting of busbars / rails
- ✓ busbar width from 30 - 120mm (185mm system)
- ✓ busbar width from 30 - 60mm (100mm system)
- ✓ busbar thickness: 5 - 10mm



For 10mm Cu rails

Item	Item-no.	PU	
100mm busbar support 3 pole	18 8100	1	
185mm busbar support 3 pole	18 8101	1	
Busbar support 1 pole	18 8102	1	

For 5mm Cu rails

Item	Item-no.	PU	
100mm busbar support 3 pole	18 8105	1	
185mm busbar support 3 pole	18 8107	1	

Accessories

Item	Item-no.	PU	
100mm end cover 3 pole	18 8103	1	
185mm End cover 3 pole	18 8104	1	
Low angle bracket for Hager (1 set = 2 pieces)	18 8110	2	



NH strip-type fuse switch disconnectors VSD

for mounting on busbar systems 100mm / 185mm

- ✓ symmetrical fuse switch-disconnector:
cable connection at top/bottom free selectable
- ✓ double strip-type switch-disconnector
(optional for NH 2 | NH 3)
- ✓ fast installation (optional)
- ✓ drillless mounting by claw terminal clamps(optional)
- ✓ parking status of the gearshift cover,
also with mounted NH fuses
- ✓ optional with fuse monitoring
or integrated transformers (class 0.5)



NH 00 VSD/100mm, 3 pole, 160A/690V

Item	Item-no.	PU	
NH 00 VSD clip terminal clamp 4 - 70mm ² / screw M8	20 8055	1	
NH 00 VSD v connection	20 8056	1	
NH 00 VSD ESÜ clip terminal clamp / screw with electrical fuse monitoring, connection at bottom	20 8057	1	

NH 00 VSD/185mm, 3 pole, 160A/690V

Item	Item-no.	PU	
NH 00 VSD clip terminal clamp 4 - 70mm ² / screw M8	20 8080	1	
NH 00 VSD V connection with 3 V terminals	20 8081	1	
NH 00 VSD clip terminal clamp / fast install	20 8082	1	
NH 00 VSD V connection / fast install	20 8083	1	
NH 00 VSD clip terminal clamp with electrical fuse monitoring	20 8085	1	
NH 00 VSD clip terminal clamp with integrated current transformers 150 / 5A, class 0.5	20 8089	1	
NH 00 VSD clip terminal clamp 4 - 70mm ² / screw M8 (without height adjustment to size 1/2/3)	20 8086	1	
NH 00 VSD V connection with 3 V terminals (without height reducing to size 1/2/3)	20 8087	1	

Accessories

Item	Item-no.	PU	
Clip terminal clamp 4 - 70mm ² (Set = 3 pieces)	20 8051	1	
Prism terminal 1,5 - 70mm ² (Set = 3 pieces)	14 8053	1	
Compensation cover for VSD 00/100 to reduce VSD 1/2/3	20 8061	1	
Extension cover for VSD 00/100	20 8062	1	
Single adapter for VSD 00/100 to 185mm system	20 8066		Preperation
Double adapter for 2xVSD 00/100 to 185mm system	20 8067	1	
Double adapter for 2xVSD 00/185 to 185mm system	20 8065	1	



NH 1 VSD/185mm, 3 pole, 250A/690V

Item	Item-no.	PU	
NH 1 VSD Connection screw M12	20 8150	1	
NH 1 VSD V connection with 3 V frame terminals	20 8190	1	
NH 1 VSD Connection screw M12 / fast installation	20 8152	1	
NH 1 VSD V frame terminal / fast installation	20 8192	1	
NH 1 VSD Connection screw M12 with electrical fuse monitoring	20 8155	1	
NH 1 VSD Connection screw M12 with integrated current transformers 250/5A, class 0.5	20 8159	1	



NH 1 VSD/185mm, 1 pole, 250A/690V

Item	Item-no.	PU	
NH 1 VSD Connection screw M12	20 8160	1	
NH 1 VSD V connection with 3 V frame terminals	20 8161	1	
NH 1 VSD Connection screw M12 / fast installation	20 8162	1	
NH 1 VSD V frame terminal / fast installation	20 8163	1	
NH 1 VSD Connection screw M12 with electrical fuse monitoring	20 8165	1	
NH 1 VSD Connection screw M12 with integrated current transformers 250/5A, class 0.5	20 8169	1	



NH 2 VSD/185mm, 3 pole, 400A/690V

Item	Item-no.	PU	
NH 2 VSD Connection screw M12	20 8250	1	
NH 2 VSD V connection with 3 V frame terminals	20 8290	1	
NH 2 VSD Connection screw M12 / fast installation	20 8252	1	
NH 2 VSD V frame terminal / fast installation	20 8292	1	
NH 2 VSD Connection screw M12 with electrical fuse monitoring	20 8255	1	
NH 2 VSD Connection screw M12 with integrated current transformers 400/5A class 0.5	20 8259	1	



NH 2 VSD/185mm, 1 pole, 400A/690V

Item	Item-no.	PU	
NH 2 VSD Connecting screw M12	20 8260	1	
NH 2 VSD V Connection with 3 V frame terminals	20 8261	1	
NH 2 VSD Connecting screw M12 / fast installation	20 8262	1	
NH 2 VSD V frame terminal / fast installation	20 8263	1	
NH 2 VSD Connecting screw M12 with electrical fuse monitoring	20 8265	1	
NH 2 VSD Connecting screw M12 with integrated current transformer 400/5A, Klasse 0,5	20 8269	1	



NH 3 VSD/185mm, 3 pole, 630A/690V

Item	Item-no.	PU	
NH 3 VSD Connecting screw M12	20 8350	1	
NH 3 VSD V connection with 3 V frame terminals	20 8390	1	
NH 3 VSD Connecting screw M12 / fast installation	20 8352	1	
NH 3 VSD V frame terminal / fast installation	20 8392	1	
NH 3 VSD Connecting screw M12 with electronic fuse monitoring	20 8355	1	
NH 3 VSD Connecting screw M12 with integrated current transformer 600/5A, class 0.5	20 8359	1	



NH 3 VSD/185mm, 1 pole, 630A/690V

Item	Item-no.	PU	
NH 3 VSD Connecting screw M12	20 8360	1	
NH 3 VSD V connection with 3 V frame terminals	20 8361	1	
NH 3 VSD Connecting screw M12 / fast installation	20 8362	1	
NH 3 VSD V frame terminal / fast installation	20 8363	1	
NH 3 VSD Connecting screw M12 with electronic fuse monitoring	20 8365	1	
NH 3 VSD Connecting screw M12 with integrated current transformer 600/5A, class 0.5	20 8369	1	



NH 2/3 VSD/185 strip-type-switch-disconnector, 1 / 3 pole switchable

Item	Item-no.	PU	
NH 2 VSD Connection screw M12, 1 pole switchable, connection left	20 8264.L	1	
NH 2 VSD Connection screw M12, 3 pole switchable, connection left	20 8254.L	1	
NH 2 VSD Connection screw M12, 1-pole switchable, connection right	20 8264.R	1	
NH 2 VSD Connection screw M12, 3-pole switchable, connection right	20 8254.R	1	
NH 3 VSD Connection screw M12, 3-pole switchable, connection left	20 8364.L	1	
NH 3 VSD Connection screw M12, 3-pole switchable, connection right	20 8354.L	1	
NH 3 VSD Connecting screw M12, 1 pole switchable, connection right	20 8364.R	1	
NH 3 VSD Connecting screw M12, 3 pole switchable, connection right	20 8354.R	1	

NH 2/3 VSD/185mm double strip-type-switch-disconnector, 3 pole switchable, 800 A / 1250 A

Item	Item-no.	PU	
NH 2 VSD Connection screw M12, 3 pole switchable, 800A	20 8257	1	
NH 3 VSD Connection screw M12, 3 pole switchable, 1250A	20 8357	1	

Accessories

Item	Item-no.	PU	
Clip-terminal-clamp for VSD00/185mm (1 set = 3 pieces)	20 0191	1	
Clip-terminal-clamp for VSD 1 - 3 / 185mm (1 Set = 3 pieces)	20 0192	1	
Cover for VSD 1 - 3 for double V frame terminal	20 8064	1	



NH strip-type fuse switch-disconnector series MULTIVERT®

NH 00 MSL, 3-pole, 160A / 690V

Mounting on 100mm

Busbar system, cable connection selectable (top / bottom)

Mounting on 185mm

Busbar system with adapter, cable connection selectable (top / bottom)



Item	Item-no.	PU	
NH 00 MSL with frame terminals 4 - 70mm ²	14 8055	1	
NH 00 MSL with V-connection lugs (without V frame terminals)	14 8056	1	
Compensation cover for 185mm level 2-parts	14 8061	1	
V frame terminals	14 2908	1	
Clip-terminal-clamp (1 set = 3 pieces) for direct mounting	14 8063	1	

Accessories

Item	Item-no.	PU	
Single adapter for mounting on 185mm busbar system	14 8066	1	
Double adapter for mounting on 185mm busbar system	14 8067	1	
Single adapter for mounting on 185mm / Clip-terminal-clamp	14 8076	1	
Double adapter for mounting on 185mm / Clip-terminal-clamp	14 8077	1	
Single adapter for current transformers	14 0117	1	
Double adapter for current transformers	14 0119	1	

Item	Item-no.	PU	
Current transformer for adapter 100A, 1-phase	14 0121	1	
Current transformer for adapter 100A, 3-phase	14 0122	1	
Current transformer for adapter 150A, 1-phase	14 0123	1	
Current transformer for adapter 150A, 3-phase	14 0124	1	
Primary tube for adapter as spacer (1 set = 3 pieces)	14 0125	1	

NH strip-type fuse switch-disconnector

- series MULTIVERT®

- ✓ mounting on 185mm busbar systems
- ✓ cable connection on top / bottom selectable for installation
- ✓ drillless direct mounting by clip-terminal-clamps (optional)
- ✓ different connection variants
- ✓ optionally with fuse monitoring or integrated transformers
- ✓ 1 pole switchable on request



MULTIVERT® NH 1 MSL 3 pole, 250A/690V

Item	Item-no.	PU	
NH 1 MSL bolt connection M10	14 8150	1	
NH 1 MSL bolt connection M10, with electrical fuse monitoring	14 8155	1	
NH 1 MSL bolt connection M10, with integrated transformer 250A (class 1)	14 8159	1	
NH 1 MSL V connection with 3 V frame terminals	14 8190	1	



MULTIVERT® NH 2 MSL 3 pole, 400A/690V

Item	Item-no.	PU	
NH 2 MSL bolt connection M12	14 8250	1	
NH 2 MSL bolt connection M12, with electrical fuse monitoring	14 8255	1	
NH 2 MSL bolt connection M12, with integrated transformer 400A (class 1)	14 8259	1	
NH 2 MSL V connection with 3 V frame terminals	14 8290	1	



MULTIVERT® NH 3 MSL 3 pole, 630A/690V

Item	Item-no.	PU	
NH 3 MSL bolt connection M12	14 8350	1	
NH 3 MSL bolt connection M12, with electronic fuse monitoring	14 8355	1	
NH 3 MSL bolt connection M12, with integrated transformer 630A (class 1)	14 8359	1	
NH 3 MSL V connection with 3 V frame terminals	14 8390	1	



MULTIVERT® NH double strip-type-switch-disconnectors 3 pole, 690V AC, 800A size 2, 1260A size 3

Item	Item-no.	PU	
NH 2 MSL double strip-type-switch-disconnectors, bottom connection M12	14 8257	1	
NH 3 MSL double strip-type-switch-disconnector, bottom connection M12	14 8357	1	
Cable cover for bottom connection	14 2394	1	
Cable cover for top connection	14 2395	1	



MULTIVERT® NH 3 MSL 4 pole (3 pole+N), 630A/690V

Item	Item-no.	PU	
NH 3 MSL bolt connection M12	14 8340	1	
NH 3 MSL V connection with V frame terminals	14 8341	1	

Accessories

Item	Item-no.	PU	
Cable cover for top connection	14 8062	1	
Cable cover for top connection, support level lowered by 16mm	14 8064	1	
Clip-terminal-clamp size NH1 - NH3 (1 set = 3 pieces)	14 0192	1	
V-tab (1 set = 3 pieces)	14 0092	1	
V frame terminals 70 - 240mm² (1 set = 3 pieces)	14 2909/3	1	
Insulation cap for v frame terminal	14 0099	1	
Support bracket for center cover (1 set = 4 pieces)	14 8069	1	



Connecting lugs



Item	Item-no.	PU	
V connecting lug size 00, tin-plated	14 2907/1	50	
V connecting lug size 2, tin-plated	14 2906/1	50	
V double connecting lugs bridge size 00, 2 x 50mm ²	20 2911	1	

Direct connection (v) frame terminal



Item	Item-no.	PU	
V frame terminal size 2, 25 - 300mm ²	14 2909/1	50	
V frame terminal set size 2, 25 - 300mm ² (1 set = 3 pieces)	14 2909/3	1	
V frame terminal size 00, 10 - 95mm ²	14 2908	30	
V frame terminal size 00, 10 - 120mm ²	20 2900	40	
V double frame terminal block size 2, for 2 conductors 50 - 240mm ²	14 2910	10	
V double frame terminal block size 00, for 2 conductors 50 - 95mm ²	14 2912	3	

Insulation caps



Item	Item-no.	PU	
cap for V frame terminal size 00	14 0098	120	
cap for V frame terminal size 2	14 0099	100	

Insert nuts



Item	Item-no.	PU	
nut M8	20 0001	100	
nut M10	20 0002	100	
nut M12	20 0003	100	

Hook-up panels

- ✓ for cable and fixed distribution boards
- ✓ according to DIN EN 60439-1
- ✓ tested according to VDE 0660 part 500
- ✓ IEC 60439-1: 1999 + A1: 2004
- ✓ connecting / mounting on 185mm busbar system



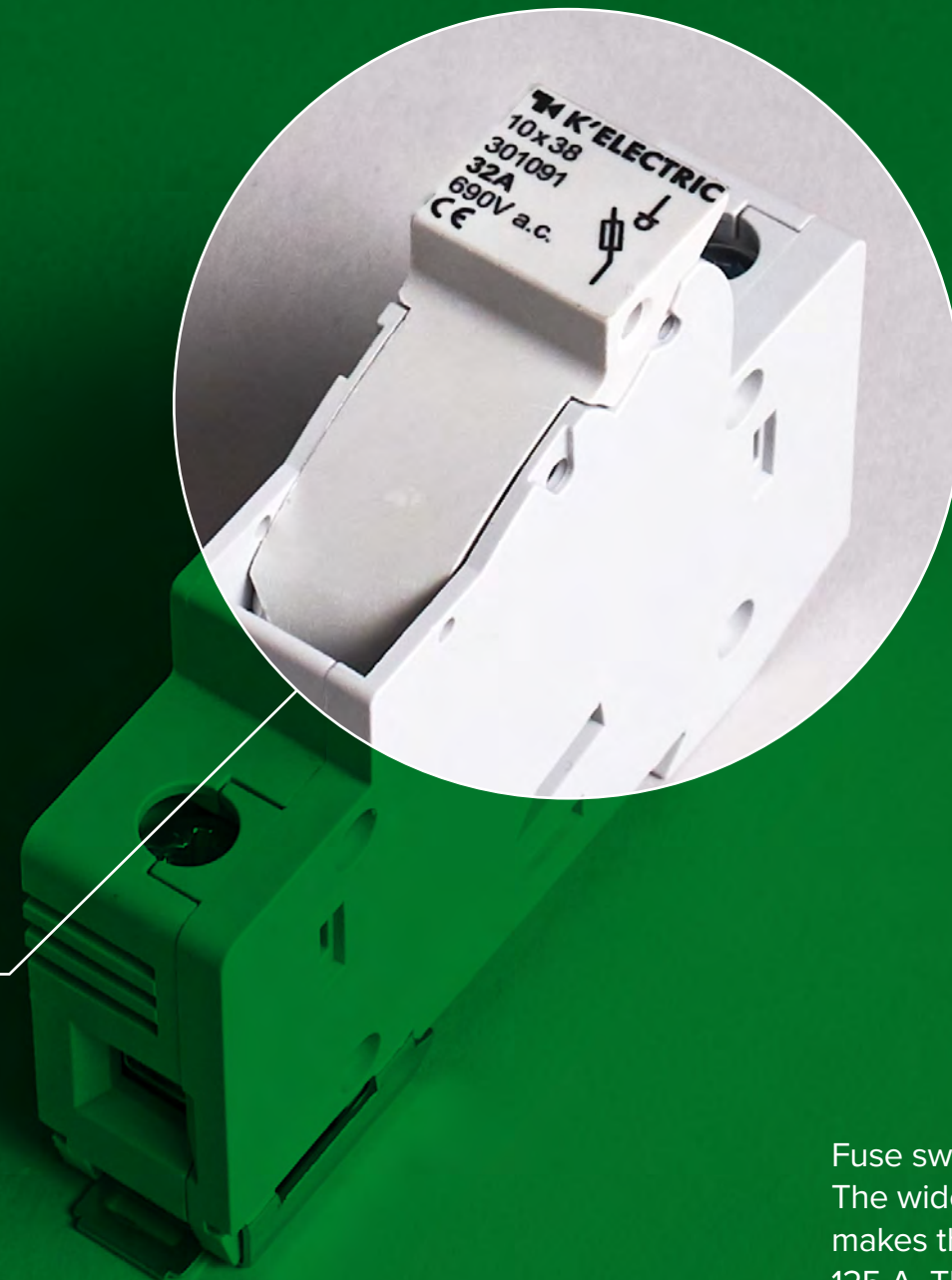
Type-tested by CTI Vienna

Item	Item-no.	PU	
Hook-up panel D02 / 3 3x top-hat rail 4.5 TE (for free assembly)	20 8000	1	
Hook-up panel 4S 4x Schuko socket 16A (FI 40 / 4 / 0.03 + 4x B 16)	20 8001	1	
Hook-up panel 2S / 1CEE 16A, 5-pole, 2 Schuko (FI 40 / 4 / 0.03 + 2x C 16 / 3 + 2x B 16)	20 8002	1	
Hook-up panel 2x CEE 16A 16A, 5-pole 400V (FI 40 / 4 / 0.03 + 2x C16 / 3)	20 8003	1	
Hook-up panel 2x CEE 32A 32A, 5-pole 400V (FI 63 / 4 / 0.03 + 2x C32 / 3)	20 8004	1	
Hook-up panel 1x CEE 63A 63A, 5-pole 400V (FI 63 / 4 / 0.03 + D02 / 3)	20 8005	1	

Hook-up panel incl. electricity meter

Item	Item-no.	PU	
Hook-up panel 3S / Z 3x Schuko socket + 3x digital AC meter certified	20 8006	1	
Hook-up panel CEE 16 / Z 1x CEE 16A + 1x digital rotary current meter certified	20 8007	1	
Hook-up panel CEE 32 / Z 1x CEE 32A + 1x digital rotary current meter certified	20 8008	1	

Fuse switch-disconnector for cylindrical fuses



Fuse switch-disconnector 10 x 38 mm

Fuse switch-disconnectors are very important worldwide. The wide range of fuse characteristics (gG, aM, aR, gR, gPV ...) makes these fuse-links indispensable for applications up to 125 A. The extensive accessory programme of fuse holders, fuse bases and fuse switch disconnectors enables a wide range of applications. International approvals make this system particularly interesting for industrial applications.

Fuse switch-disconnector

for fuse-links: 10 x 38 mm / 14 x 51 mm / 22 x 58 mm

✓ IEC 60947-1 ✓ UL 4248-1 ✓ UL 4248-4 ✓ UL 486E



for fuse links 10 x 38 mm
up to max. 32A / 690V (IEC) / AC22B / 600V (UL)

Item	Approval	Item-no.	PU	
Fuse switch-disconnector for 10 x 38 mm 1 pole	IEC/UL	28 1051	12	
Fuse switch-disconnector for 10 x 38 mm 1 pole + N	IEC/UL	28 1041	6	
Fuse switch-disconnector for 10 x 38 mm 2 pole	IEC/UL	28 1052	6	
Fuse switch-disconnector for 10 x 38 mm 3 pole	IEC/UL	28 1053	4	
Fuse switch-disconnector for 10 x 38 mm 3 pole + N	IEC/UL	28 1043	3	
Fuse switch-disconnector for 10 x 38 mm 1 pole with LED	IEC/UL I LED	28 1061	12	
Fuse switch-disconnector for 10 x 38 mm 2 pole with LED	IEC/UL I LED	28 1062	6	
Fuse switch-disconnector for 10 x 38 mm 3 pole with LED	IEC/UL I LED	28 1063	4	



for fuse links 14 x 51 mm
up to max. 50A / 690V (IEC) / AC22B / 600V (UL)

Item	Approval	Item-no.	PU	
Fuse switch-disconnector for 14 x 51 mm 1 pole	IEC/UL	28 1451	12	
Fuse switch-disconnector for 14 x 51 mm 1 pole +N	IEC/UL	28 1441	6	
Fuse switch-disconnector for 14 x 51 mm 2 pole	IEC/UL	28 1452	6	
Fuse switch-disconnector for 14 x 51 mm 3 pole	IEC/UL	28 1453	4	
Fuse switch-disconnector for 14 x 51 mm 3 pole + N	IEC/UL	28 1443	3	
Fuse switch-disconnector for 14 x 51 mm 1 pole with LED	IEC/UL I LED	28 1461	12	
Fuse switch-disconnector for 14 x 51 mm 2 pole with LED	IEC/UL I LED	28 1462	6	
Fuse switch-disconnector for 14 x 51 mm 3 pole with LED	IEC/UL I LED	28 1463	4	



for fuse links 22 x 58 mm
up to max. 100A / 690V (IEC) / AC21B / 600V (UL)

Item	Approval	Item-no.	PU	
Fuse switch-disconnector for 22 x 58 mm 1 pole	IEC/UL	28 2251	3	
Fuse switch-disconnector for 22 x 58 mm 1 pole + N	IEC/UL	28 2241	2	
Fuse switch-disconnector for 22 x 58 mm 2 pole	IEC/UL	28 2252	2	
Fuse switch-disconnector for 22 x 58 mm 3 pole	IEC/UL	28 2253	1	
Fuse switch-disconnector for 22 x 58 mm 3 pole + N	IEC/UL	28 2243	1	
Fuse switch-disconnector for 22 x 58 mm 1 pole with LED	IEC/UL I LED	28 2261	3	
Fuse switch-disconnector for 22 x 58 mm 2 pole with LED	IEC/UL I LED	28 2262	2	
Fuse switch-disconnector for 22 x 58 mm 3 pole with LED	IEC/UL I LED	28 2263	1	

Fuse switch-disconnector

for American industrial fuses: Class J / 30A

- ✓ UL 4248-1
- ✓ UL 4248-8
- ✓ UL 486E
- ✓ CSA C22.2 No.65
- ✓ CSA C22.2 No.14

Class J
fuses + System
components
up to 600 A on
request!



for industrial fuses Class J / 30A
without LED

Item	Item-no.	PU	
Fuse switch-disconnector for Class J / 30A 1 pole ohne LED	28 2351	3	
Fuse switch-disconnector for Class J / 30A 2 pole ohne LED	28 2352	2	
Fuse switch-disconnector for Class J / 30A 3 pole ohne LED	28 2353	1	



for industrial fuses Class J / 30A
with LED

Item	Item-no.	PU	
Fuse switch-disconnector for Class J / 30A 1 pole with LED	28 2361	3	
Fuse switch-disconnector for Class J / 30A 2 pole with LED	28 2362	2	
Fuse switch-disconnector for Class J / 30A 3 pole with LED	28 2363	1	

Fuse switch-disconnector

for American industrial fuses: Class CC / up to 30A

- ✓ UL 4248-1
- ✓ UL 4248-4
- ✓ UL 486E
- ✓ CSA C22.2 No.65



for industrial fuses Class CC / up to 30A
without LED

Item	Item-no.	PU	
Fuse switch-disconnector for Class CC / up to 30A 1 pole without LED	28 2051	12	
Fuse switch-disconnector for Class CC / up to 30A 2 pole without LED	28 2052	6	
Fuse switch-disconnector for Class CC / up to 30A 3 pole without LED	28 2053	4	



for industrial fuses Class CC / up to 30A
with LED

Item	Item-no.	PU	
Fuse switch-disconnector for Class CC / up to 30A 1 pole with LED	28 2061	12	
Fuse switch-disconnector for Class CC / up to 30A 2 pole with LED	28 2062	6	
Fuse switch-disconnector for Class CC / up to 30A 3 pole with LED	28 2063	4	

Fuses



The most predictive devices for electrical current are still the most reliable. Even for the most modern systems, fuses of the most varied designs and characteristics offer the highest level of safety in the event of short circuits and overloads. (e.g. DO / NH fuses). The protection of people and systems has been the top priority for over 100 years. The newest technologies such as solar systems, e-cars or energy storage systems would be difficult to protect without fuses!

D0 fuse links



- 400V~/250V-
- IEC 60269
- Lower power dissipation due to silver-plated contact caps

Item	colour indicator		Item-no.	PU	
D01	PINK	2A	10 0202	50	
D01	BROWN	4A	10 0204	50	
D01	GREEN	6A	10 0206	50	
D01	RED	10A	10 0210	50	
D01	BLACK	13A	10 0213	50	
D01	GREY	16A	10 0216	50	
D02	BLUE	20A	10 0220	50	
D02	YELLOW	25A	10 0225	50	
D02	VIOLETT	32A	10 0232	50	
D02	BLACK	35A	10 0235	50	
D02	BLACK	40A	10 0240	50	
D02	WHITE	50A	10 0250	50	
D02	COPPER	63A	10 0263	50	

D0 cartridge ring adapter inserts



IEC 60269

- for fuse base D0 according to IEC 60269-3
- for switch-fuse D0 in accordance with IEC/EN 60947-3
- low-loss Execution

Item		Item-no.	PU	
D01 E14	2A	10 0302	50	
D01 E14	4A	10 0304	50	
D01 E14	6A	10 0306	50	
D01 E14	10A	10 0310	50	
D02 E18	2A	10 0402	50	
D02 E18	4A	10 0404	50	
D02 E18	6A	10 0406	50	
D02 E18	10A	10 0410	50	
D02 E18	16A	10 0416	50	
D02 E18	20A	10 0420	50	
D02 E18	25A	10 0425	50	
D02 E18	32A / 35A / 40A	10 0435	50	
D02 E18	50A	10 0450	50	

Spar click boxes

equipped with D0 fuses



- The flexible spar click box for cabinets serves for immediate reconnection
- Fits in the standard cover of 3 TE width (54mm)

Item	Item-no.	PU	
12 x 2A D01 in Box 1,5TE	10 1202	1/24	
12 x 4A D01 in Box 1,5TE	10 1204	1/24	
12 x 6A D01 in Box 1,5TE	10 1206	1/24	
12 x 10A D01 in Box 1,5TE	10 1210	1/24	
12 x 13A D01 in Box 1,5TE	10 1213	1/24	
12 x 16A D01 in Box 1,5TE	10 1216	1/24	
12 x 20A D02 in Box 3TE	10 1220	1/12	
12 x 25A D02 in Box 3TE	10 1225	1/12	
12 x 32A D02 in Box 3TE	10 1232	1/12	
12 x 35A D02 in Box 3TE	10 1235	1/12	
12 x 40A D02 in Box 3TE	10 1240	1/12	
12 x 50A D02 in Box 3TE	10 1250	1/12	
12 x 63A D02 in Box 3TE	10 1263	1/12	
Full range 13 x 12 fuses from 2 - 63A	10 1200	1	

D0 screw caps



- DIN 49522
- EN-60269

Item	Article no.	PU	
Fitting sleeve pliers	10 1400	1/12	
Screw cap D02 plastic with test hole (E18)	12 6024	20	
Screw cap D01 plastic with test hole (E14)	12 6025	20	
Screw cap D02 Porcelain with test hole (E18)	12 7024	20	
Screw cap D01 Porcelain with test hole (E14)	12 7025	20	
Reducing holder spring for D01 fuses	12 1401	20	

NH fuse links

with live handle lugs and double indicator
according to IEC 60269-2 operating class (gL) gG



Size 000/00 | 500V~/250V-

Item		Item-no.	PU	
Size 000	2A	14 0602	3	
Size 000	4A	14 0604	3	
Size 000	6A	14 0606	3	
Size 000	10A	14 0610	3	
Size 000	16A	14 0616	9	
Size 000	20A	14 0620	9	
Size 000	25A	14 0625	9	
Size 000	32A	14 0632	9	
Size 000	35A	14 0635	9	
Size 000	40A	14 0640	9	
Size 000	50A	14 0650	9	
Size 000	63A	14 0663	9	
Size 000	80A	14 0680	9	
Size 000	100A	14 0690	9	
Size 000	125A	14 0693	3	
Size 00	125A	14 0691	3	
Size 00	160A	14 0692	3	



Size 1 | 500V~/440V-

Item		Item-no.	PU	
Size 1	20A	14 1620	3	
Size 1	25A	14 1625	3	
Size 1	35A	14 1635	3	
Size 1	50A	14 1650	3	
Size 1	63A	14 1663	3	
Size 1	80A	14 1680	3	
Size 1	100A	14 1690	3	
Size 1	125A	14 1691	3	
Size 1	160A	14 1692	3	
Size 1	200A	14 1693	3	
Size 1	224A	14 1699	3	
Size 1	250A	14 1694	3	



Size 2 | 500V~/440V-

Item		Item-no.	PU	
Size 2	50A	14 2650	3	
Size 2	63A	14 2663	3	
Size 2	80A	14 2680	3	
Size 2	100A	14 2690	3	
Size 2	125A	14 2691	3	
Size 2	160A	14 2692	3	
Size 2	200A	14 2693	3	
Size 2	224A	14 2699	3	
Size 2	250A	14 2694	3	
Size 2	300A	14 2695	3	
Size 2	315A	14 2696	3	
Size 2	355A	14 2698	3	
Size 2	400A	14 2697	3	



Size 3 | 500V~/440V-

Item		Item-no.	PU	
Size 3	125A	14 3690	3	
Size 3	160A	14 3691	3	
Size 3	200A	14 3692	3	
Size 3	224A	14 3693	3	
Size 3	250A	14 3694	3	
Size 3	300A	14 3695	3	
Size 3	315A	14 3696	3	
Size 3	355A	14 3697	3	
Size 3	400A	14 3698	3	
Size 3	425A	14 3699	3	
Size 3	450A	14 3628	3	
Size 3	500A	14 3629	3	
Size 3	630A	14 3630	3	

NH solid links



with live grip tabs

Item		Item-no.	PU	
Size 00/000	160A	14 1700	3	
Size 1	250A	14 1701	3	
Size 2	400A	14 1702	3	
Size 3	630A	14 1703	3	

with tension-free grip tabs

Item		Item-no.	PU	
Size 00/000	160A	14 1710	12	
Size 1	250A	14 1711	5	
Size 2	400A	14 1712	6	
Size 3	630A	14 1713	6	

Cylindrical fuse links

"gG" without indicator



IEC/EN 60269-1 / 10 x 38 / 400V AC; 100kA

Item		Item-no.	PU	
10 x 38	0,5A	25 0605	10	
10 x 38	1A	25 0601	10	
10 x 38	2A	25 0602	10	
10 x 38	4A	25 0604	10	
10 x 38	6A	25 0606	10	
10 x 38	8A	25 0608	10	
10 x 38	10A	25 0610	10	
10 x 38	12A	25 0612	10	
10 x 38	16A	25 0616	10	
10 x 38	20A	25 0620	10	
10 x 38	25A	25 0625	10	
10 x 38	32A	25 0632	10	



14 x 51 / 500V AC; 80kA

Item		Item-no.	PU	
14 x 51	2A	25 1602	10	
14 x 51	4A	25 1604	10	
14 x 51	6A	25 1606	10	
14 x 51	8A	25 1608	10	
14 x 51	10A	25 1610	10	
14 x 51	16A	25 1616	10	
14 x 51	20A	25 1620	10	
14 x 51	25A	25 1625	10	
14 x 51	32A	25 1632	10	
14 x 51	40A	25 1640	10	
14 x 51	50A	25 1650	10	



22 x 58 / 500V AC; 80kA

Item		Item-no.	PU	
22 x 58	16A	25 2616	10	
22 x 58	20A	25 2620	10	
22 x 58	25A	25 2625	10	
22 x 58	32A	25 2632	10	
22 x 58	40A	25 2640	10	
22 x 58	50A	25 2650	10	
22 x 58	63A	25 2663	10	
22 x 58	80A	25 2680	10	
22 x 58	100A	25 2690	10	
22 x 58	125A	25 2691	10	

Cylindrical fuse links

for photovoltaic applications



10 x 38

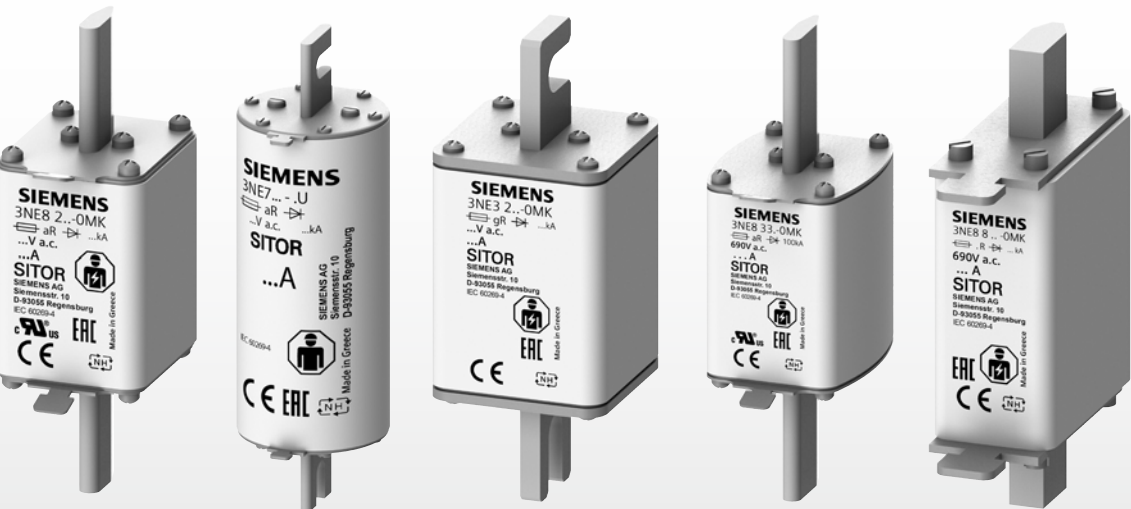
Item		Item-no.	PU	
PV Cylindrical fuse 10x38 1000V	1A	29 1001	10	
PV Cylindrical fuse 10x38 1000V	2A	29 1002	10	
PV Cylindrical fuse 10x38 1000V	3A	29 1003	10	
PV Cylindrical fuse 10x38 1000V	4A	29 1004	10	
PV Cylindrical fuse 10x38 1000V	5A	29 1005	10	
PV Cylindrical fuse 10x38 1000V	6A	29 1006	10	
PV Cylindrical fuse 10x38 1000V	8A	29 1008	10	
PV Cylindrical fuse 10x38 1000V	10A	29 1010	10	
PV Cylindrical fuse 10x38 1000V	12A	29 1012	10	
PV Cylindrical fuse 10x38 1000V	16A	29 1016	10	
PV Cylindrical fuse 10x38 1000V	20A	29 1020	10	



10 x 85

Item		Item-no.	PU	
PV Cylindrical fuse 10x85 1500V	5A	29 1105	10	
PV Cylindrical fuse 10x85 1500V	12A	29 1112	10	
PV Cylindrical fuse 10x85 1500V	16A	29 1116	10	
PV Cylindrical fuse 10x85 1500V	20A	29 1120	10	
PV Cylindrical fuse 10x85 1500V	25A	29 1125	10	
PV Cylindrical fuse 10x85 1500V	30A	29 1130	10	

Semiconductor protection fuses:



SITOR semiconductor protection fuses protect power semiconductors from the effects of a short circuit because the superfast cut-off characteristic is much faster than with conventional NH fuses.

They protect high-value devices and system components, such as converters with fuses in the input and in the DC link, UPS systems and soft starters for motors.

The requirements for device installation have led to different connection variants and designs.

The fuses with blade contacts comply with IEC 60269-2 and are suitable for installation in NH fuse bases, in NH fuse switch disconnectors and switch disconnectors with fuses. This also includes the fuses with slotted blade contacts

for screw mounting with the mounting dimensions of 110 mm, the dimensions of which comply with IEC 60269-4.

Fuses with slotted blade contacts for screw mounting with a mounting dimension of 80mm or 110mm are often screwed directly onto busbars for optimal heat dissipate the heat. Even better heat transfer is provided by the compact fuses with internal thread M10 or M12, which are also mounted directly on busbars. Screw-on lugs with a mounting dimension of 80mm are another installation variant for direct mounting on busbars.

Siemens SITOR

Operating classes

Fuses are subdivided into operating classes according to their function. SITOR semiconductor protection fuses, type NH, are available in the following operating classes:

- ✓ aR: for short-circuit protection of power semiconductors (partial-range protection)
- ✓ gR: for protection of power semiconductors (full-range protection)
- ✓ gS: the operating class gS combined cable and power protection with semiconductor protection (full-range protection)

Benefit

- SITOR semiconductor protection fuses have a high alternating load factor, which ensures high operational safety and system availability - even under constant load changes
- The use of SITOR semiconductor protection fuses in NH subdivisions or Siemens switch-disconnectors has been tested with regard to heat dissipation and maximum current load. This facilitates planning and dimensioning. Consequential damage is thus avoided
- Our high quality standard ensures good characteristic fidelity and accuracy. The device protection is thus ensured in the long term



Your questions about semiconductor protection we will be happy to answer and advise you on their application.

Other characteristics as well as semiconductor protection fuses (e.g. Siemens SITOR), are available from us on request.

Item	price €
Siemens SITOR fuses	on request

Excerpt from the Siemens technical catalogue
English Translation by KE.



Relay



The monitoring of phase failures and under- and over-voltages in systems that supply critical areas or sensitive devices are important components in electrical engineering. Our compact monitoring relays with fixed/adjustable parameters (switching point/switching time) reliably perform these tasks for AC/DC systems. The advantages lie in the simple wiring (e.g. 1-phase operation), because no complex bridges are required at the voltage inputs. Our adjustable display relay is also the ideal solution for complex systems where frequencies, asymmetries, 3P without N and programmable break contacts are required.

Multifunctional monitoring relay

Under-voltage monitoring relay

- ✓ 3-phase monitoring for under-voltage and phase release
- ✓ monitoring the N conductor
- ✓ construction width 17.8mm (1TE)
- ✓ switching voltage 85%, delay 0.5 sec
- ✓ power consumption under 1W
- ✓ with Test-Button



Item	Item-no.	PU
Under-voltage monitoring relay, 2 changer	10 3030	1/18

Under-voltage monitoring relay

- ✓ 3-phase monitoring for under-voltage and phase release
- ✓ monitoring the N conductor
- ✓ construction width 17.8mm (1TE)
- ✓ switching voltage 85%, delay 0.5 sec
- ✓ power consumption under 1W
- ✓ LED fault indication for phase and N faults
- ✓ for 1-phase applications, convenience connection L/N integrated (time-consuming bridging of conductors L1, L2 and L3 is not necessary)
- ✓ switch-back delay 1 min (10 3062)
- ✓ suitable for emergency lighting applications according to DIN VDE 0100-560 (10 3071)



Item	Item-no.	PU
Under-voltage monitoring relay, 1 break contact	10 3059	1/18
Under-voltage monitoring relay, 2 break contacts	10 3060	1/18
Under-voltage monitoring relay, 2 break contacts with switch-back delay	10 3062	1 / 18
Under-voltage monitoring relay, 2 break contacts with phase indicator	10 3069	1/18

DIN VDE 0100-560

(Switching voltage: 60% / Reverse switching voltage: 85%)

Item	Item-no.	PU
Under-voltage monitoring relay, 2 break contacts	10 3071	1 / 18

Under-voltage monitoring relay, phase sequence monitoring

with rotating field detection

- ✓ 3-phase monitoring for under-voltage, Phase release and phase sequence
- ✓ monitoring the N conductor
- ✓ construction width 17.8mm (1TE)
- ✓ switching voltage 85%, delay 0.5 sec
- ✓ power consumption under 1W
- ✓ LED fault indication for rotating field, Phase and N-fault
- ✓ Test-Button
- ✓ for 1-phase operation Direct connection possible via clamp L; N



Item	Item-no.	PU
Under-voltage monitoring relay, 1 break contact	10 3061	1/18

Under-voltage monitoring relay adjustable

- ✓ 3-phase monitoring for under-voltage, Phase release and phase sequence
- ✓ monitoring the N conductor
- ✓ construction width 17.8mm (1TE)
- ✓ switching voltage adjustable
- ✓ time delay adjustable
- ✓ power consumption under 1W
- ✓ LED error display
- ✓ for 1-phase applications, comfort connection L/N integrated (time-consuming bridging of bridging of the conductors L1, L2 and L3 is not necessary)



Item	Item-no.	PU
Under-voltage monitoring relay, 2 break contacts	10 3066	1/18
$U_s = 150 - 220V$ $\Delta U = 5V$ $t_v = 0,5 - 15s$ $\Delta t = 1s$		

Over-voltage and under-voltage relay

230/400V AC

- ✓ 3-phase monitoring for under-voltage, over-voltage, phase release and phase sequence
- ✓ N conductor monitoring
- ✓ construction width 17.8mm (1TE)
- ✓ under- / overvoltage adjustable
- ✓ power consumption under 1W
- ✓ LED error display
- ✓ for 1-phase applications, Comfort connection L/N integrated (time-consuming bridging of the conductors L1, L2 and L3 is no longer necessary)



Item	Item-no.	PU
Over-voltage and under-voltage relay 2 break contacts	10 3067	1/18
$U_s = 150 - 220V$ $\Delta U = 5V$ $U_{SO} = 240 - 275,5V$ $\Delta U = 2,5V$ $t_V = 0,5s$		

Phase display relay

- ✓ display of all 3 phases by green LED (phase against N)
- ✓ LED display at L1 for DC (L1+ / N-)
- ✓ construction width 17.8mm (1TE)
- ✓ power consumption under 1W
- ✓ voltage range 85 - 690V AC/DC



Item	Item-no.	PU
Phase display relay	10 3009	1/18

Over-voltage and under-voltage relay DC

- ✓ under- / over-voltage monitoring for DC
- ✓ selectable voltage ranges:
24V/60V/110V/220V DC
- ✓ construction width 17.8mm (1TE)
- ✓ under- / over-voltage adjustable
- ✓ power consumption under 1W
- ✓ LED error display for under- / overvoltage



Item	Item-no.	PU
Over-voltage and under-voltage relay DC 2 break contacts	10 3068	1/18
$U_s = 65\% - 95\% U_e$ $\Delta U = 2\% U_e$ $U_{SO} = 105\% - 120\% U_e$ $\Delta U = 1\% U_e$ $t_V = 0,5s$		

Multifunctional monitoring relay

- ✓ adjustable over-voltage / Under-voltage monitoring
- ✓ adjustable switching hysteresis
- ✓ adjustable frequency monitoring (AC)
- ✓ adjustable asymmetry (AC)
- ✓ adjustable mains form / operating voltage
- ✓ adjustable time delay
- ✓ 2 break contacts (individually adjustable)
- ✓ operation and display via graphic display



Item	Item-no.	PU
AC/160 – 500VAC		
Multifunctional monitoring relay	10 3040	1 / 18
DC/2 – 220VDC		
Multifunctional monitoring relay DC	10 3041	1 / 18



Digital measuring devices



Due to the ever-increasing demand for energy optimisation or the introduction of energy management systems according to ISO 50001 – measurement technology is becoming more and more important. With our space-saving MID-certified electricity meters of the KE series, you always have an exact overview of your system values and always have the option of retrofitting bus communication.

K'ELECTRIC also offers innovative solutions for compact and touch protected current transformers.

KE-P80 MODbus

Electric meters | P-serie

with MID-certification

- ✓ digital single-phase AC meter up to 40A direct measurement in 1MW
- ✓ digital three-phase meter up to 80A direct measurement in 4MW
- ✓ digital three-phase meter up to 125A direct measurement in 6MW
- ✓ digital rotary power converter meter for 5 A / 1 A in 4MW
- ✓ display: Active and reactive energy, instantaneous active and reactive power (draw and supply)
- ✓ possible display of all relevant measurement data (UI / II/ PF / F / THD in %) of the individual phases
- ✓ with adjustable transformer ratio (can be changed indefinitely)
- ✓ double tariff meter HT / NT (T1 / T2) with tariff switching input
- ✓ SO output for active and reactive energy
- ✓ optional extension through communication modules: KNX, M-Bus, MOD-Bus, LAN, eVision
- ✓ accuracy: active energy B (class 1)
- ✓ made in EU: with EU-wide MID-certification



Alternating current meter

Item	Version	Width	Item-no.	PU
KE P40 MID	Alternating current	1 TE	19 5851	1
KE P40 MID M-Bus	Alternating current	1 TE	19 5852	1
KE P40 MID MODBus	Alternating current	1 TE	19 5853	1

Direct current meter

Item	Version	Width	Item-no.	PU
KE P80 MID	Direct measurement	4 TE	19 5831	1
KE P80 MID M-Bus	Direct measurement	4 TE	19 5832	1
KE P80 MID MODBus	Direct measurement	4 TE	19 5833	1
KE-N125 MID	Direct measurement	6 TE	19 5552	1

Three-phase meter

Item	Version	Width	Item-no.	PU
KE P/5 MID	Transducer measurement	4 TE	19 5841	1
KE P/5 MID M-Bus	Transducer measurement	4 TE	19 5842	1
KE P/5 MID MODBus	Transducer measurement	4 TE	19 5843	1

Communication modules

Item	Width	Item-no.	PU
M-Bus module	1 TE	19 5580	1
MODbus module RTU module	1 TE	19 5581	1
LAN-Bus-Gateway-Modul (Ethernet)	1 TE	19 5582	1
KNX module	1 TE	19 5583	1
eVision module with embedded web app	1 TE	19 5586	1

LAN-Server MODBus | TCP data concentrator

All data can be transferred via Ethernet / WLAN withtels http interface, transferable via a web browser. Device connection via Mod-Bus (RTU). The software is included in the unit.

- ✓ the data transmission takes place via the TCP / IP protocol
- ✓ maximum 31 measuring devices via MODbus
- ✓ the built-in memory is 2 gigabytes
- ✓ only 4 TE width (72mm)



Item	Item-no.	PU
LAN Server MODbus	19 5701	1

Multifunction meter **Krypton E3**

- ✓ 3 Ø voltage (TRMS)
- ✓ 3 Ø current (TRMS)
- ✓ frequency
- ✓ Operating status counter
- ✓ programmable current / voltage transformer (only primary)
- ✓ additional bargraph display for the current in %.
- ✓ speed



Item	Item-no.
Multifunction meter Krypton E3	22 0009

Multifunction meter **Krypton E10**

- ✓ 3 Ø voltage (TRMS)
- ✓ 3 Ø current (TRMS)
- ✓ 3 Ø power factor
- ✓ 3 Ø Active power, reactive power, apparent power
- ✓ frequency
- ✓ programmable current / voltage transformer
- ✓ distortion factor
- ✓ additional bargraph display for the current in %
- ✓ with MODbus RTU (RS485) interface
- ✓ with pulse output



Item	Item-no.
Multifunction meter Krypton E10 with S0 and RS485 (MOD-Bus RTU interface)	22 0001

Multifunction meter **Krypton E5**

- ✓ 3 Ø voltage (TRMS)
- ✓ 3 Ø current (TRMS)
- ✓ 3 Ø power factor
- ✓ 3 Ø Active power, reactive power, apparent power
- ✓ active energy
- ✓ frequency
- ✓ programmable current / voltage transformer
- ✓ with pulse output
- ✓ distortion factor



Item	Item-no.
Multifunction meter Krypton E5 with S0 interface	22 0000

Multifunction meter **Krypton H10**

- ✓ 3 Ø voltage (TRMS)
- ✓ 3 Ø current (TRMS)
- ✓ 3 Ø power factor
- ✓ 3 Ø Wirkleistung, Blindleistung, Scheinleistung
- ✓ 3 Ø Active power, reactive power, apparent power
- ✓ frequency
- ✓ programmable current / voltage transformer
- ✓ with MODbus RTU (RS485) interface



Item	Item-no.
Multifunction meter Krypton H10 with RS485 (MOD-Bus RTU interface)	22 0200

Plug-in current transformer

(class 1)



Item	Rated current (A)	Busbar	Round conductor	Item-no.	PU
4R21.3	50 / 60 / 80 / 100 / 125 / 150	/	21mm	19 5101-... / 5A	1
6A315.3	75 / 80 / 100 / 125 / 150 / 200 / 250 / 300 / 400 / 500 / 600 / 750	30x10mm	28mm	19 5100-... / 5A	1
7A412.3	50 / 60 / 80 / 100 / 125 / 150 / 200 / 250 / 300 / 400 / 500 / 600 / 750 / 800 / 1000	40x10mm	33mm	19 5110-... / 5A	1
8A512.4	100 / 125 / 150 / 200 / 250 / 300 / 400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500	50x10mm	42mm	19 5120-... / 5A	1
8A615.3	200 / 250 / 300 / 400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500 / 1600	60x15mm	52mm	19 5150-... / 5A	1
9A615.3	200 / 250 / 300 / 400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500 / 1600 / 2000 / 2500	63x10mm	53mm	19 5160-... / 5A	1
10A815.3	400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500 / 1600 / 2000 / 2500	80x15mm	61mm	19 5180-... / 5A	1
10A830.3	400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500 / 1600 / 2000	2x80x10mm	70mm	19 5190-... / 5A	1
13A1030.3	400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500 / 1600 / 2000 / 2500 / 3000 / 4000	2x100x10mm	85mm	19 5193-... / 5A	1
13A1056.3	400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500 / 1600 / 2000 / 2500 / 3000 / 4000	3x100x12mm	—	19 5194-... / 5A	1

Accessories

Item	Item-no.	PU
Insulation caps (1 set = 2 pieces)	19 5141	1
Snap-on mounting for rails (1 pair)	19 5140	1

(class 0,5) incl. Conforwithy certificate

Item	Rated current (A)	Busbar	Round conductor	Item-no.	PU
E4R21.3	100 / 150 / 200 / 250 / 300 / 400 / 500	—	21mm	19 5135-... / 5A	1
E6A315.3	200 / 250 / 300 / 400 / 500 / 600 / 750	30x10mm	28mm	19 5130-... / 5A	1
E7A412.3	200 / 250 / 300 / 400 / 500 / 600 / 750 / 800 / 1000	40x10mm	33mm	19 5131-... / 5A	1
E8A512.3	200 / 250 / 300 / 400 / 500 / 600 / 750 / 800 / 1000	50x10mm	42mm	19 5132-... / 5A	1
E8A615.3	300 / 400 / 500 / 600 / 750 / 800 / 1000	60x15mm	52mm	19 5133-... / 5A	1
E9A615.3	200 / 250 / 300 / 400 / 500 / 600 / 750 / 800 / 1000 / 1200 / 1250 / 1500	60x15mm	52mm	19 5134-... / 5A	1
E10A815.3	400 / 500 / 600 / 750 / 800 / 1000 / 1250 / 1500	80x15mm	61mm	19 5136-... / 5A	1

Window type current transformer

(class 1)



Item	Accuracy	Power in VA	Max. ø cable in mm	Item-no.	PU
150 / 5A	+/- 1%	0,5	24	19 5320-150A	1
250 / 5A	+/- 1%	0,5	24	19 5320-250A	1
300 / 5A	+/- 1%	0,5	24	19 5320-300A	1
400 / 5A	+/- 1%	0,5	24	19 5320-400A	1
100 / 5A	+/- 1%	0,5	36	19 5321-100A	1
300 / 5A	+/- 1%	0,5	36	19 5321-300A	1
600 / 5A	+/- 1%	0,5	36	19 5321-600A	1

? Other types or accuracy classes on request!

3 phase current transformer

- ✓ hole center distance 60mm
- ✓ for rail thicknesses from 12 x 5 - 30 x 10mm
- ✓ construction width 54mm
- ✓ all-round contact hazard protection of the busbars
- ✓ can be used flexibly in the installation distributor and on a mounting plate



Item	Item-no.	VA (class 1)	PU
Rated current: 100A 5A	22 1013-100 / 5A	1 VA	1
Rated current 150A 5A	22 1013-150 / 5A	1,5 VA	1
Rated current 200A 5A	22 1013-200 / 5A	2,5 VA	1
Rated current 250A 5A	22 1013-250 / 5A	2,5 VA	1
Rated current 400A 5A	22 1013-400 / 5A	VA	1
Rated current 600A 5A	22 1013-600 / 5A	5 VA	1
Rated current 630A 5A	22 1013-630 / 5A	5 VA	1

Plug'n-wire-multifunction meter **Krypton E20**

- ✓ 3 ∅ Current (TRMS) | 3 ∅ Voltage (TRMS)
- ✓ 3 ∅ power factor
- ✓ 3 ∅ active power, reactive power, apparent power
- ✓ frequency
- ✓ distortion factor
- ✓ additional bar graph display (current) in %
- ✓ programmable current/voltage transformer
- ✓ 4-line LCD display with light
- ✓ up to 32 units can be connected thanks to voltage sockets
- ✓ with MODBus RTU (RS485) and S0 interface



Item	Item-no.	PU
Krypton E20 baseplate mounting with S0 and RS485 (MODBus RTU)	22 0002	1

Plug'n-wire-multifunction meter **Krypton H20**

- ✓ 3 ∅ Current (TRMS) | 3 ∅ Voltage (TRMS)
- ✓ 3 ∅ power factor
- ✓ 3 ∅ active power, reactive power, apparent power
- ✓ frequency
- ✓ distortion factor
- ✓ programmable current/voltage transformer
- ✓ 4-line LCD display with light
- ✓ up to 32 units can be connected thanks to voltage sockets
- ✓ with MODBus RTU (RS485) and S0 interface



Item	Item-no.	PU
Krypton H20 DIN-rail mounting with S0 and RS485 (MODBus RTU)	22 0201	1

3 phase current transformer for the **Plug'n-Wire-system**

The three-phase current transformer has been developed for use with the Plug'n-Wire system. The integrated protection circuit automatically limits the output voltage to a safe level. As a result, the current transformer can also be operated under load side on the secondary side.

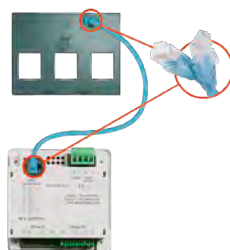


Item	Rated current in A	Item-no.	PU
3 phase current transformer, hole center distance 35mm	60/100/125/160/200/250A	22 0010-...A	1
3 phase current transformer, hole center distance 45mm	250/400/600/630A	22 0011-...A	1
3 phase current transformer, hole center distance 60mm	100/150/200/250/400/600/630A	22 0013-...A	1
3 phase current transformer, hole center distance 75mm	800/1000/1250/1600A	22 0012-...A	1



Accessories

Item	Item-no.	PU
RJ-Connection cable from meter to transformer 1.5m	22 0101	1
RJ-Connection cable from meter to transformer 2.0m	22 0102	1
RJ-Connection cable from meter to transformer 2.0m - flat plug -	22 0102-F	1
RJ-Connection cable from meter to transformer 3.0m	22 0103	1
RJ-Connection cable from meter to transformer 5.0m	22 0105	1
RJ-Connection cable from meter to transformer 10m	22 0106	1



Save time and money!

The unique concept that drastically reduces the wiring and installation time of multifunction meters and current transformers.

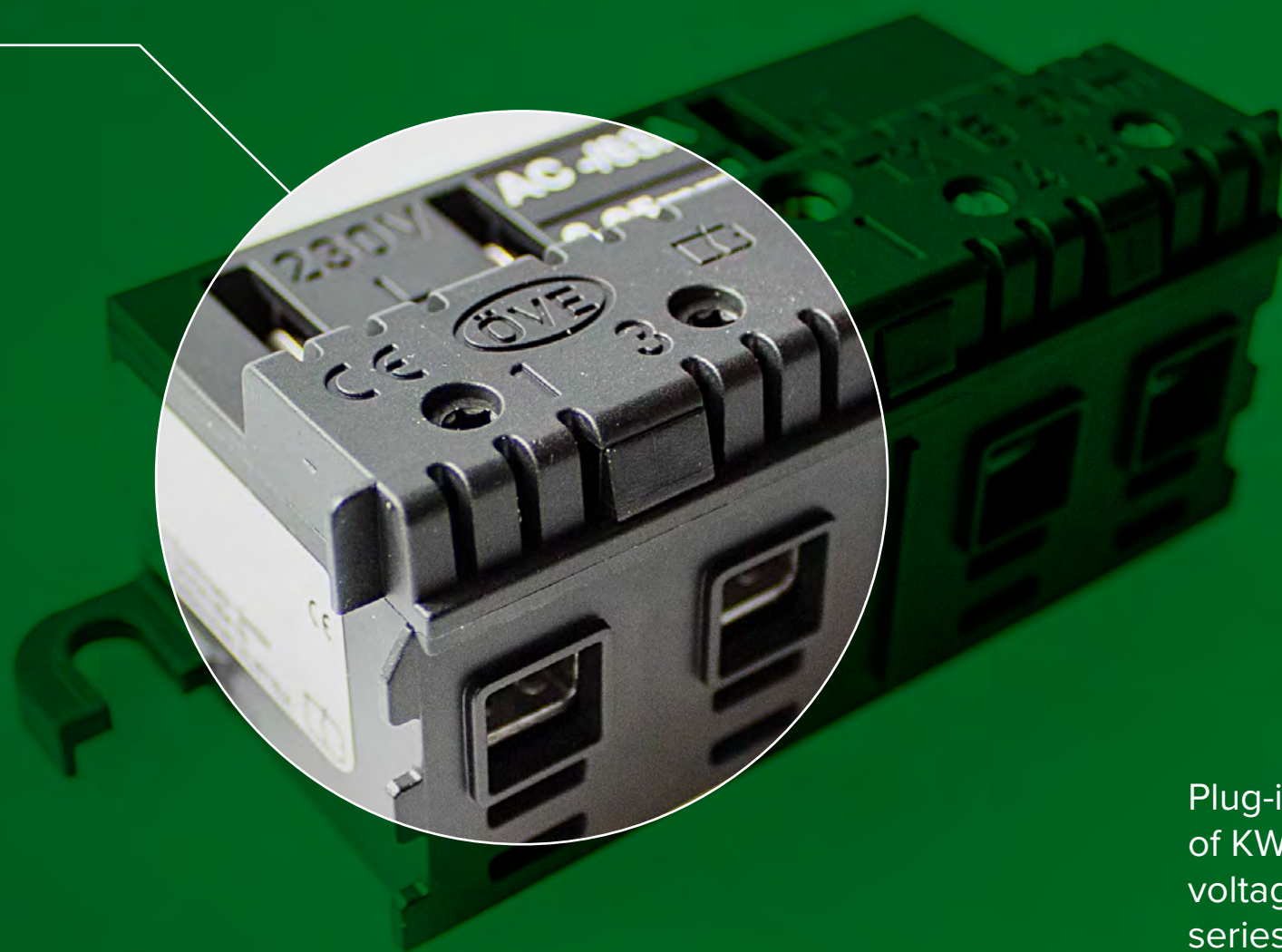


Your advantages:

- ✓ considerable saving of working time
- ✓ elimination of wiring errors
- ✓ increased safety
- ✓ choice of different 3 phase current transformer
- ✓ no need for test disconnect terminals
- ✓ reduced test times
- ✓ fully EMV-tested and CE-certified



Plug-in meter terminal



Plug-in meter terminal enable the quick change of KWh meters without interrupting the operating voltage of downstream systems. With the ADOCK® series, we offer you the optimal solution.

**ADOCK® plug-in
meter terminals**

ADOCK® Plug-in meter terminal

for kWh meters according to DIN 43857

- ✓ with terminal compartment cover
- ✓ can be covered with standard meter terminal cover
- ✓ relief of the contacts enables force-free plug-in mounting of the meter



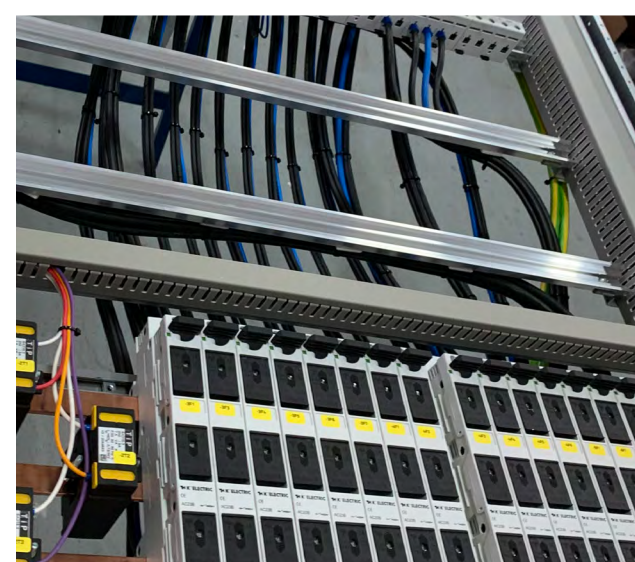
Item	Item-no.	PU
Three-phase plug-in meter terminal, 63A, with connection at the bottom, 3-pole +2N	10 1007	1
Cover for three-phase plug-in meter terminal	10 1012	1



Item	Item-no.	PU
Alternating current plug-in meter terminal, 63A, with connection at the bottom, 1-pole +2N	10 1002	1
Cover for AC plug-in meter terminal	10 1013	1

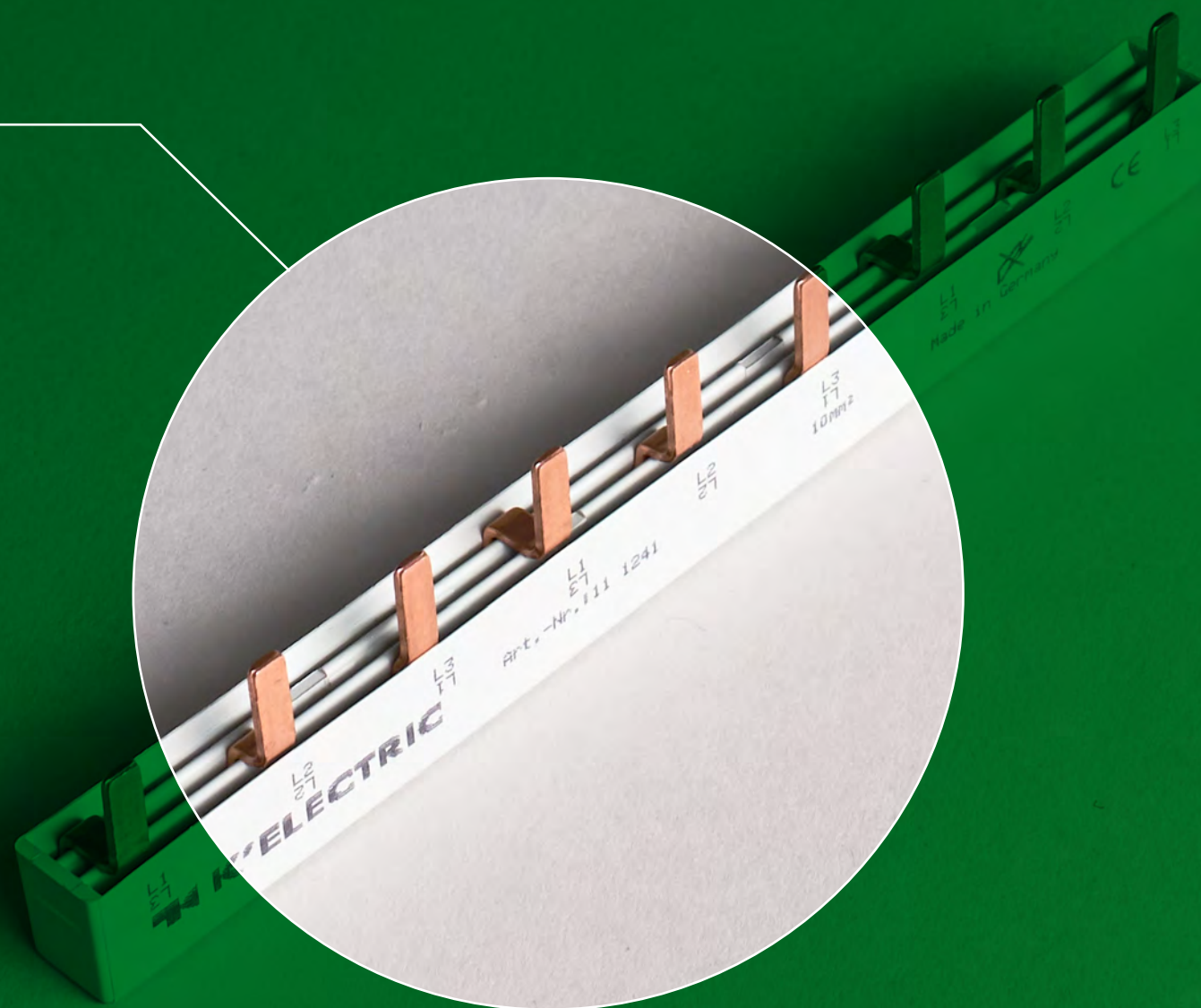


K'ELECTRIC
**OUR PRODUCTS
IN USE...**





Accessories

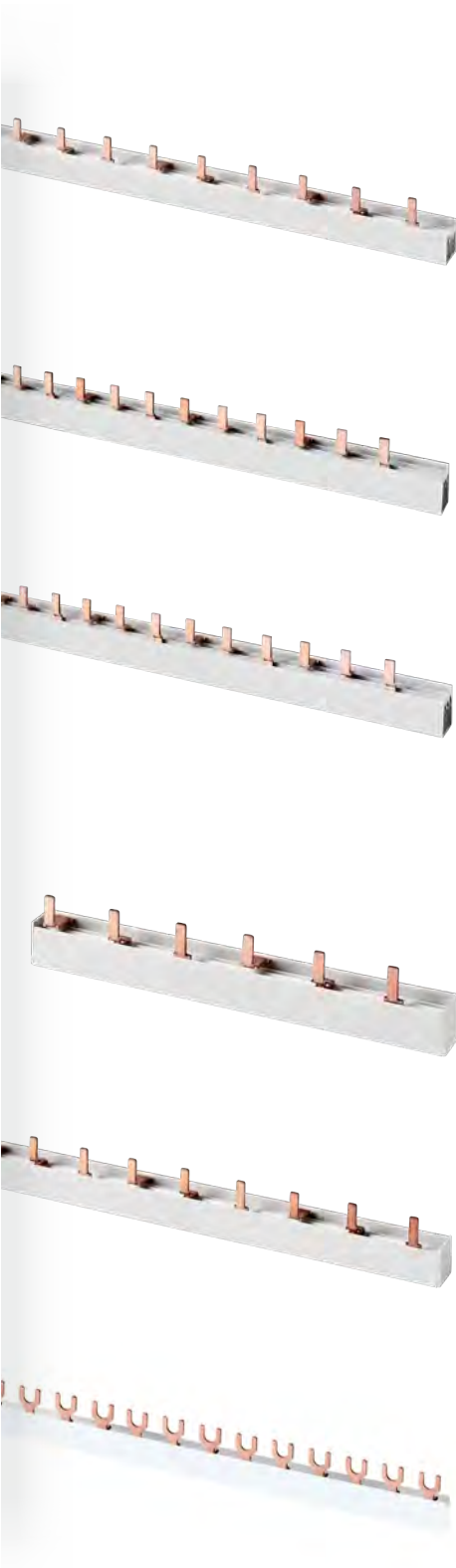


For many applications, there is often a lack of small, simple helpers that complete the projects, guide cables or supplement the contact Protection.

You can find a variety of covers, holders or wiring rails for your project here.

Wiring rails*

TYTAN® II | CORON® 2 | CORON® DUO | D0 fuse base | LS + HI (9mm)



Pin version | Module width: 27mm
length: 1.000mm | sawable

Item	Item-no.	Flags	Cross-section	End cap	PU
1 pole, 90° bent	11 1071	37	16mm ²	17 1001	25
2 pole	11 1072	38	16mm ²	17 1007	20
3 pole	11 1073	36	16mm ²	17 1007	20
4-polig	11 1074	36	16mm ²	17 1004	15

Item	Item-no.	Flags	Cross-section	End cap	PU
1 pole, 90° bent	10 2021	37	25mm ²	17 1005	10
2 pole	10 2022	36	25mm ²	17 1006	5
3 pole	10 2023	36	25mm ²	17 1006	5

Item	Item-no.	Flags	Cross-section	End cap	PU
1 pole, 90° bent	10 2031	37	35mm ²	17 1005	10
2 pole	10 2032	36	35mm ²	17 1006	5
3 pole	10 2033	36	35mm ²	17 1006	5
4-polig	10 2034	36	35mm ²	17 1006 17 1005	5

Module width: 27mm | ready-made | not sawable

Item	Item-no.	Flags	Cross-section	End cap	PU
8x1 pole	11 1271	8	16mm ²	✓	10
4x2 pole	11 1272	8	16mm ²	✓	10
2x3 pole	11 1275	6	16mm ²	✓	10
2x3 pole	11 1285	6	25mm ²	✓	5

Item	Item-no.	Flags	Cross-section	End cap	PU
3x3 pole	11 1276	9	16mm ²	✓	10
3x3 pole	11 1286	9	25mm ²	✓	5
4x3 pole	11 1277	12	16mm ²	✓	20
4x3 pole	11 1287	12	25mm ²	✓	5

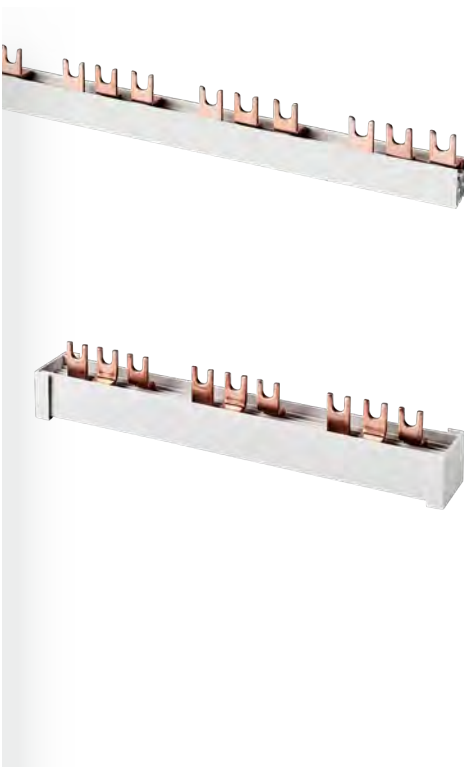
Folk version | Module width: 27mm | sawable
LS + HI (9mm) for Doepke / Eaton / GE / Legrand / Hager
no quick connect

Item	Item-no.	Flags	Cross-section	End cap	PU
3 pole	11 1323	36	16mm ²	17 1007	20

All wiring rails with phase identification / amperage and logo printed.
The matching end caps can be found on page 115.

Wiring rails*

TYTAN® T



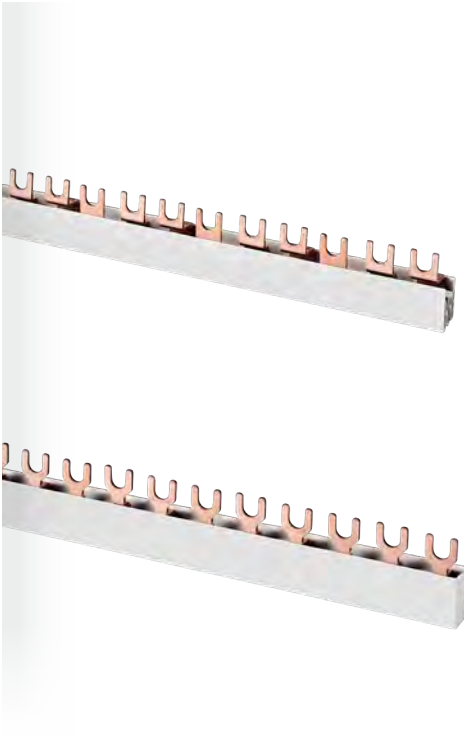
Folk version | sawable
3 pole + 17,8mm (free) and 4 pole | Module width: 17,8mm

Item	Item-no.	Flags	Cross-section	End cap	PU
3 pole	11 1056	42	16mm ²	17 1007	20
4-pole	11 1317	56	16mm ²	17 1004	15
3 pole	11 1053	42	35mm ²	17 1006	5
4-pole	11 1054	56	35mm ²	17 1005 17 1006	5

Folk version | ready-made
3 pole + 17,8mm (free) and 4 pole | Module width: 17,8mm

Item	Item-no.	Flags	Cross-section	End cap	PU
2x3 pole	11 1203	6	16mm ²	✓	10
2x4-pole	11 1204	8	16mm ²	✓	5
3x3 pole	11 1213	9	16mm ²	✓	10
3x4-pole	11 1214	12	16mm ²	✓	5
2x3 pole	11 1223	6	35mm ²	✓	5
2x4-pole	11 1224	8	35mm ²	✓	5
3x3 pole	11 1233	9	35mm ²	✓	5
3x4-pole	11 1234	12	35mm ²	✓	5

TYTAN® I | LS-Switch



Folk version | Cross-section: 16mm² | Module width:
17,8mm | sawable | for LS-Switch like Doepke / Eaton /
GE / Legrand / Hager / Schneider no quick connect

Item	Item-no.	Flags	Cross-section	End cap	PU
1 pole: 90° bent	11 1061	57	16mm ²	17 1001	25
2 pole	11 1062	56	16mm ²	17 1007	20
3 pole	11 1063	57	16mm ²	17 1007	20

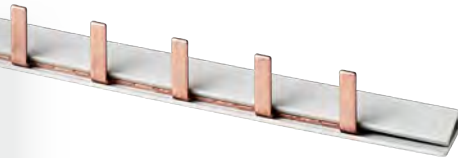
Cut to length | Module width: 17,8mm | not sawable | for LS-Switch like Doepke / Eaton / GE / Legrand / Hager
no quick connect

Item	Item-no.	Flags	Cross-section	End cap	PU
12x1 pole	11 1261	12	16mm ²	✓	10
6x2 pole	11 1262	12	16mm ²	✓	10
4x3 pole	11 1263	12	16mm ²	✓	10

* Price plus metal supplement

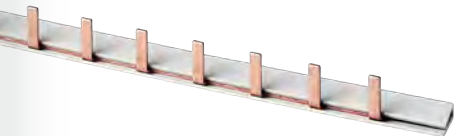
Wiring rails*

for LS-Switch / FI-Switch

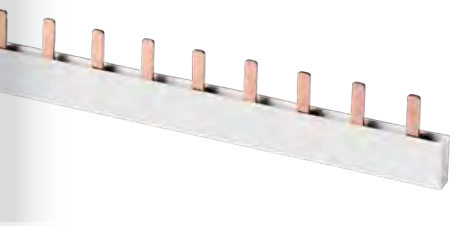


Pin version | 1 pole | 90° hooked | isolated for ABB

Item	Item-no.	Flags	Cross-section	End cap	PU
Pin 17,6mm	11 1328	57	10mm ²	17 1001	25
Pin 17,6mm	11 1338	57	16mm ²	17 1001	25

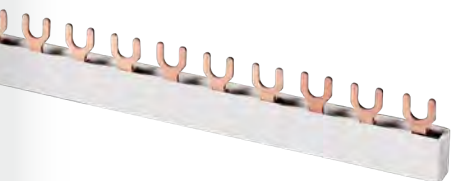


Item	Item-no.	Flags	Cross-section	End cap	PU
Pin 17,8mm	11 1329	57	10mm ²	17 1001	25
Pin 17,8mm	11 1339	57	16mm ²	17 1001	25



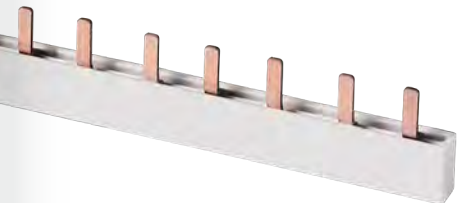
Pin version | 2 pole | 2 pole FI or 2 pole LS for ABB / Siemens / Schneider

Item	Item-no.	Flags	Cross-section	End cap	PU
Pin	11 1324	12	10mm ²	✓	10
Pin 17,6mm	11 1325	56	10mm ²	17 1002	20
Pin	11 1326	12	16mm ²	✓	10
Pin 17,6mm	11 1327	56	16mm ²	17 1007	20
Pin 17,8mm	11 1351	56	16mm ²	17 1007	20



Folk version | 3 pole | for LS-Switch like Doepke / Eaton / GE / Legrand / Hager / Schneider no quick Connect

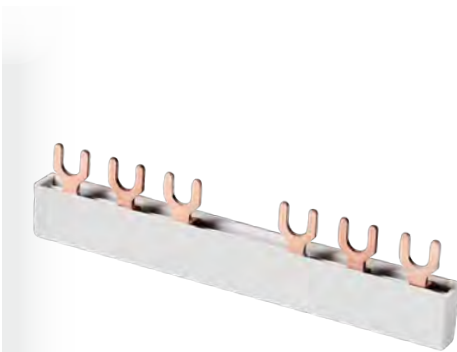
Item	Item-no.	Flags	Cross-section	End cap	PU
Folk	11 1245	6	10mm ²	✓	10
Folk	11 1244	9	10mm ²	✓	10
Folk	11 1243	12	10mm ²	✓	10
Folk 17,8mm	11 1041	57	10mm ²	17 1003	20



Pin version | 3 pole | for LS-Switch like ABB (17,6mm) / Siemens / Schneider

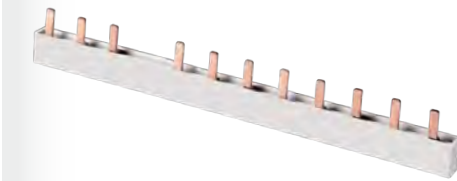
Item	Item-no.	Flags	Cross-section	End cap	PU
Pin	11 1248	6	10mm ²	✓	10
Pin	11 1247	9	10mm ²	✓	10
Pin	11 1246	12	10mm ²	✓	10
Pin	11 1300	12	16mm ²	✓	10
Pin 17,8mm	11 1042	57	10mm ²	17 1003	20
Pin 17,8mm	11 1370	57	16mm ²	17 1007	20
Pin 17,6mm	11 1040	57	10mm ²	17 1003	20
Pin 17,6mm	11 1301	57	16mm ²	17 1007	20

All wiring rails with phase identification / amperage and logo printed.
The matching end caps can be found on page 115.



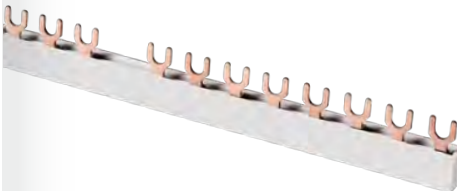
3 pole busbars + HI (9mm) | for LS-Switch like Doepke / Eaton / GE / Legrand / Hager / Schneider / ABB no quick connect

Item	Item-no.	Flags	Cross-section	End cap	PU
Folk 17,8mm	11 1360	48	10mm ²	17 1003	10
Folk 17,8mm	11 1365	48	16mm ²	17 1007	10
Pin 17,6mm	11 1354	48	10mm ²	17 1003	10



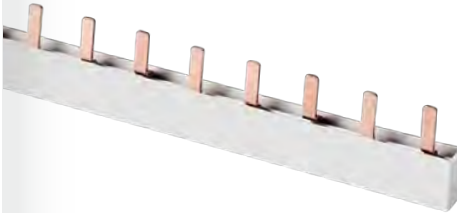
Pin version | 3 pole | FI 4 pole (N right) + 8 LS | for ABB / Siemens / Schneider

Item	Item-no.	Flags	Cross-section	End cap	PU
Pin	11 1250	11	10mm ²	✓	10
Pin	11 1305	11	16mm ²	✓	10



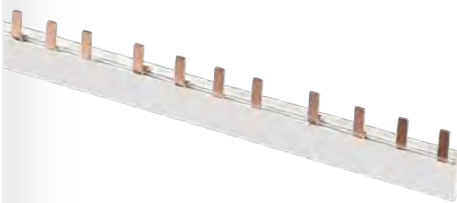
Folk version | 3 pole | FI 4 pole (N right) + 8 LS | for LS-Switch like Doepke / Eaton / GE Legrand Hager no quick connect

Item	Item-no.	Flags	Cross-section	End cap	PU
Folk	11 1251	11	10mm ²	✓	10
Folk	11 1308	11	16mm ²	✓	5



3 pole busbars | FI 4 pole (N left) + 8 LS no quick connect

Item	Item-no.	Flags	Cross-section	End cap	PU
Pin	11 1310	11	10mm ²	✓	10
Folk	11 1311	11	10mm ²	✓	10



4 pole busbars L1, L2, L3, N | TYTAN® T 4 pole | 4 pole FI or 4 pole LS

Item	Item-no.	Flags	Cross-section	End cap	PU
Pin	11 1312	12	10mm ²	✓	5
Pin 17,6mm	11 1313	56	10mm ²	17 1004	10
Pin	11 1314	12	16mm ²	✓	5
Pin 17,6mm	11 1315	56	16mm ²	17 1004	15
Pin 17,6mm	11 1342	56	16mm ²	17 1004	15
Pin 17,8mm	11 1353	56	10mm ²	17 1004	15

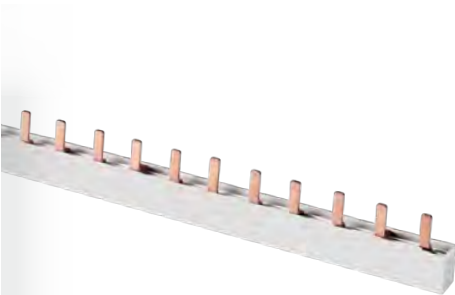
Pin with HI (9 mm) on request!					
Folk	11 1258	12	10mm ²	✓	5
Folk 17,8mm	11 1316	56	10mm ²	17 1004	15
Folk 17,8mm	11 1317	56	16mm ²	17 1004	15
Folk 17,8mm	11 1054	56	35mm ²	17 1005 17 1006	5

* Price plus metal supplement



Wiring rails*

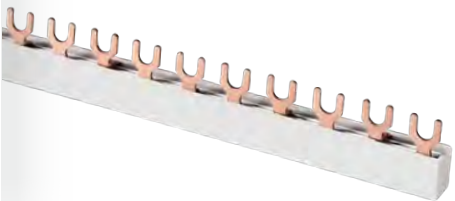
for LS-Switch / FI-Switch



Pin version | 4 pole
L1, N, L2, N, L3, N for 2 pole FI or 2 pole LS

Item	Item-no.	Flags	Cross-section	End cap	PU
Pin	11 1255	12	10mm ²	✓	5
Pin 17,6mm	11 1318	54	10mm ²	17 1004	15
Pin 17,8mm	11 1352	54	10mm ²	17 1004	15
Pin	11 1256	12	16mm ²	✓	5
Pin 17,6mm	11 1330	54	16mm ²	17 1004	15
Pin 17,8mm	11 1334	54	16mm ²	17 1004	15

Pin with HI (9 mm) on request!



Fork version | 4 pole
L1, N, L2, N, L3, N for 2 pole FI or 2 pole LS

Item	Item-no.	Flags	Cross-section	End cap	PU
Folk	11 1319	12	10mm ²	✓	5
Folk 17,8mm	11 1320	54	10mm ²	17 1004	15
Folk	11 1321	12	16mm ²	✓	5
Folk 17,8mm	11 1322	54	16mm ²	17 1004	15

Wiring rail end caps



Item	Item-no.	Flags	Cross-section	PU
End cap 1 pole	17 1001	-	10/16mm ²	50
End cap 2 pole	17 1002	-	10mm ²	10
End cap 3 pole	17 1003	-	10mm ²	10
End cap 4-polig	17 1004	-	10/16mm ²	10
End cap 1 pole	17 1005	-	25/35mm ²	10
End cap 3 pole	17 1006	-	25/35mm ²	10
End cap 2/3 pole	17 1007	-	16mm ²	10

* Price plus metal supplement

Touch protection

for pin or fork wiring rails



Item	Item-no.	PU
individually detachable for 5 TE	11 1249	10

Blind covers for cabinets

12 place units, 220mm long



Item	Item-no.	PU
grey	11 1400	50
white	11 1401	50

Cover strips

for system cabinets: universally applicable by spring technology | divisible in 9mm units



Item	Item-no.	PU
Blank panel 195x56mm grey	13 6078	10
Blank panel 195x56mm white	13 6079	10

Key locks



Item	Item-no.	PU
Key lock in the click box	10 4664	1

Low angle brackets



Item	Distance	Item-no.	PU
Low angle bracket for DIN rail, small	11mm	17 0112	10
Low angle bracket for DIN rail, big	43mm	17 0113	10

DIN rail spacers

for heat relief | grey | universally applicable



Item	Item-no.	PU
Spacer grey	17 1020	40

Cu-plate rails

tinned and round-edged



Item	Cross-section	Lenght	Item-no.	PU	Max. current carrying capacity	
12 x 5	60mm²	2m	15 6040	5	200A	
12 x 5	75mm²	2m	15 6041	5	250A	
20 x 5	100mm²	2m	15 6042	5	320A	
30 x 5	150mm²	2m	15 6044	5	450A	
20 x 10	200mm²	2m	15 6047	5	520A	
30 x 10	300mm²	2m	15 6049	5	630A	

DIN rail sockets

- ✓ version "Schuko"
 - ✓ construction width 2.5 TE
 - ✓ snap-on mounting with locking device
 - ✓ for service distribution boards and
- metering points according to VDE 0603

 - ✓ for plugs and socket outlets for domestic use and similar purposes according to VDE 0620, part 1 / 2005-04



Item	Item-no.	PU	
DIN rail socket, grey	17 0150	5	
DIN rail socket, yellow	17 0151	5	
DIN rail socket, red	17 0152	5	
DIN rail socket, orange	17 0153	5	
DIN rail socket, with lid, grey	17 0154	5	

Busbar support insulators



Item	Height	PU	Item-no.	
Support insulators M6	20mm	50	21 0520.06	
Support insulators M6	25mm	50	21 0525.06	
Support insulators M6	30mm	50	21 0530.06	
Support insulators M8	30mm	50	21 0530.08	
Support insulators M10	10mm	50	21 0530.10	
Support insulators M8	35mm	50	21 0535.08	
Support insulators M10	35mm	50	21 0535.10	
Support insulators M8	40mm	50	21 0540.08	
Support insulators M10	40mm	50	21 0540.10	
Support insulators M10	50mm	50	21 0550.10	
Support insulators M12	50mm	50	21 0550.12	
Support insulators M10	55mm	50	21 0555.10	
Support insulators M10	60mm	50	21 0560.10	
Support insulators M12	60mm	50	21 0560.12	
Support insulators M10	65mm	25	21 0565.10	
Support insulators M12	65mm	25	21 0565.12	
Support insulators M10	70mm	25	21 0570.10	
Support insulators M12	70mm	25	21 0570.12	
Support insulators M10	75mm	25	21 0575.10	
Support insulators M12	75mm	25	21 0575.12	

Spar click boxes, DIN rail

spar box for small parts



Item	Item-no.	PU	
Spar click box pink	10 1102	1/12	
Spar click box brown	10 1104	1/12	
Spar click box green	10 1106	1/12	
Spar click box red	10 1110	1/12	
Spar click box grey	10 1116	1/12	
Spar click box blue	10 1120	1/12	
Spar click box yellow	10 1125	1/12	
Spar click box black	10 1135	1/12	
Spar click box white	10 1150	1/12	
Spar click box ochre	10 1163	1/12	

TYTAN® II spar click boxes

empty (incl. print)

- ✓ Selectable case colors: pink, brown, green, red, blue, yellow, black, white, ochre
- ✓ Insert with individual company logo in color (CMYK) high-resolution printed



Item	Item-no.	PU	
Plastic spar box empty incl. print	10 1100_DRUCK	90	

Tolerances of ± 1.0 mm may occur

Document pockets



Document pocket 1013U-1

- ✓ document pocket grey
 - ✓ made of polystyrene in RAL 7035
 - ✓ impact resistant
 - ✓ self-adhesive
- ✓ screw fixing possible
 - ✓ size corresponds to DIN A4
 - ✓ inner dimensions (HxWxD): 230 x 220 x 30mm

Item	Item-no.	PU	
Plastic 230 x 220 x 30mm	19 5001	25	



Foil document pocket slide

- ✓ self-adhesive
 - ✓ size corresponds to DIN A4
- ✓ dimensions (WxH): 230 x 305mm

Item	Item-no.	PU	
Foil doc pocket 230 x 305mm, DIN A4	19 5002	25	



Document pocket with extension

- ✓ cardboard-reinforced back panel
 - ✓ only as deep as the documents
 - ✓ self-adhesive
- ✓ size corresponds to DIN A4
 - ✓ back wall (WxH): 245 x 315mm

Item	Item-no.	PU	
Cardboard reinforced with extension for gluing, DIN A4	19 5003	25	



Circuit document pocket

- ✓ cardboard-reinforced back panel
 - ✓ self-adhesive
- ✓ size corresponds to DIN A6
 - ✓ dimensions (WxH): 120 x 185mm

Item	Item-no.	PU	
Cardboard reinforced for gluing, DIN A6	19 5004	25	



Document pocket with extension

- ✓ cardboard-reinforced back panel
 - ✓ only as deep as the documents
 - ✓ self-adhesive
- ✓ size corresponds to DIN A5
 - ✓ dimensions (WxH): 153 x 230mm

Item	Item-no.	PU	
Cardboard reinforced with expansion fold for gluing, DIN A5	19 5005	25	



With individual printing

Item	Item-no.	PU	
Document pocket 1013-U1, Ral 7035 for screwing and gluing! 230 x 220 x 30mm (inside dimension), with individual company print (CMYK)	19 5001/DRUCK	25	

Tolerances of ± 1.0 mm may occur

Cable tidy holders

for the control cabinet construction

- ✓ fastening on the Striebel & John EDF mounting rail
- ✓ Hager and Siemens cable holder can be mounted on perforated busbars (1.0mm | 1.5mm thickness)
- ✓ Striebel & John cable collector holder can be mounted on EDF and WR frames and 1.5 mm DIN rail mounting
- ✓ easy locking of the cable holder
- ✓ in various sizes



Item	Item-no.	PU	
Cable tidy holder, large version: Striebel & John	17 0101	100	



Item	Item-no.	PU	
Cable tidy holder, large version: Hager	17 0102	100	



Item	Item-no.	PU	
Cable tidy holder, large version: Siemens	17 0103	100	



Item	Item-no.	PU	
Cable tidy holder, small version: Striebel & John	17 0104	100	



Item	Item-no.	PU	
Cable tidy holder, small version: Hager	17 0105	100	



Item	Item-no.	PU	
Cable tidy holder, small version: Siemens	17 0106	100	



Item	Item-no.	PU	
Cable tidy holder, large version: Striebel & John	17 0100	100	