## MULTIVERT® 160A

Size 00, 690VAC, Triple Pole Switching

IEC FUSE SWITCH DISCONNECTORS
NH VERTICAL FUSE SWITCH DISCONNECTOR


MULTIVERT ${ }^{\oplus}$ NH vertical fuse switch disconnectors meet all functions of NH fuse switch disconnectors. They are designed for installation on to bus bars in triple pole arrangements.
MULTIVERT ${ }^{\ominus}$ 160A triple pole switching are for installation on to 100 mm and 185 mm bus bar systems.
MULTIVERT® 160A are designed for NH fuse-links in accordance with IEC/EN 60269-2, VDE 0636-2, size 00: 160A.

The system is a modular system, that allows the installation of individual components. MULTIVERT ${ }^{\text {® }}$ offer the user the possibility of fast and easy installation as well as a high degree of protection during installation and maintenance.

TECHNICAL DATA OVERVIEW

| Voltage AC | 690 VAC |
| :---: | :---: |
| Amper (A) | 160 A |
| Size per Standard | 00 |
| SCCR | $\begin{array}{ll} \mathrm{Ue}=\mathrm{AC} 400 \mathrm{~V} ; \mathrm{le}=160 \mathrm{~A} & 80 \mathrm{kA} \\ \mathrm{Ue}=\mathrm{AC} 500 \mathrm{~V} ; \mathrm{le}=160 \mathrm{~A} & 80 \mathrm{kA} \\ \mathrm{Ue}=\mathrm{AC} 690 \mathrm{~V} ; \mathrm{le}=100 \mathrm{~A} & 50 \mathrm{kA} \end{array}$ |
| Mounting | bus bar system 100 mm and 185 mm |
| Switchability | $1 \times$ triple pole |
| Number of Poles | 3 |

## FEATURES \& BENEFITS

- Installation on to 100 and 185 mm bus bar system
- Symmetrical switch - top/bottom cable terminal connection
- Touch protection IP 30 with central cover
- Parking position of switch operating cover even with fuse-links inserted
- Varieties of cable termination: screw, clamp strap, AICu clamp, frame clamp, V-terminal
- Electronic fuse monitoring or indicator for switch door position - optional
- Safe on load connection/disconnection in accordance with IEC 60947-3


## APPLICATIONS

- House incoming units
- Meter distribution units
- Switch boards for industrial applications
- Residential and industrial distribution units
- Cable distribution cabinets
- Feeder pillars


## STANDARDS

- IEC/EN 60 947-3

For NH-fuse links size 000/00 in accordance with IEC/EN 60 269-2, VDE 0636-2

## PRODUCT RANGE


1.000 .905

MULTIVERT ${ }^{\circledR} 160$ A size 00100 mm bus bar system 1 x triple pole switching

| Catalog number | Item number | Cable termination components | Design | Package | Weight |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1.000.900 | F1002184 | 3 M8 terminal screws | with cover shroud MZ00KH | 1 piece | 1.12 kg |
| 1.000.901 | X1023129 | 3 clamp straps Cu 4-70 mm² | with cover shroud MZ00KH | 1 piece | 1.12 kg |
| 1.000.902 | Z1023131 | $3 \mathrm{Al} / \mathrm{Cu}$ clamps 1,5-70 mm² | with cover shroud MZ00KH | 1 piece | 1.12 kg |
| 1.000.903 | A1023132 | with V-terminal für V-terminal clamps size 00 | with cover shroud 1.000.915 | 1 piece | 1.12 kg |
| 1.000.904 | B1023133 | 3 frame clamps Cu 2,5-70 mm | with cover shroud MZ00KH | 1 piece | 1.1 kg |
| 1.000.905 | G1002185 | 3 M8 terminal screws | MULTIVERT ${ }^{\circledR}$ 1.000.900 with cabling of instrument leads | 1 piece | 1.47 kg |
| 1.000.906 | C1023134 | 3 clamp straps Cu 4-70 mm² | MULTIVERT® 1.000.901 with cabling of instrument leads | 1 piece | 1.47 kg |
| 1.000.907 | D1023135 | $3 \mathrm{Al} / \mathrm{Cu}$ clamps 1,5-70 mm² | MULTIVERT® ${ }^{\text {® }}$.000.902 with cabling of instrument leads | 1 piece | 1.47 kg |
| 1.000.908 | E1023136 | with V-terminal for V-terminal clamps size 00 | MULTIVERT® ${ }^{\circledR}$ 1.000.903 with cabling of instrument leads | 1 piece | 1.47 kg |
| 1.002.437 | Y1023130 | 3 frame clamps Cu 2,5-70 mm² | MULTIVERT ${ }^{\circledR}$ 1.000.904 with cabling of instrument leads | 1 piece | 1.18 kg |

MULTIVERT ${ }^{\circledR} 160$ A size 00185 mm bus bar system $1 \times$ triple pole switching

| Catalog <br> number | Item <br> number | Cable termination <br> components | Design | Package | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1.001 .339 | Y1023153 | 3 M 8 terminal screws | including adjustment cover art.no. MZ00AAD and <br> adapter 1.001 .298 | 1 piece | 1.8 kg |

TECHNICAL DATA IN ACCORDANCE WITH EN / IEC 60947
$160 \mathrm{~A}, 100 \mathrm{~mm} \quad 160 \mathrm{~A}, 185 \mathrm{~mm}$ 1 x triple pole switching 1 x triple pole switching

| Number of poles/phases | 3 | 3 |
| :---: | :---: | :---: |
| Size | 00 | 00 |
| Conventional free air thermal current with NH-fuse links $\mathrm{I}_{\text {th }}$ | 160 A | 160 A |
| Max. power dissipation of fuse links $\mathrm{P}_{\mathrm{n}}$ | 12 W | 12 W |
| Conventional free air thermal current with solid links $I_{\text {th }}$ | 250 A | 250 A |
| Max. power dissipation of solid links $\mathrm{P}_{\mathrm{n}}$ | 1,2 W | 1,2 W |
| Utilization category to IEC/EN 60947-3 $\begin{aligned} & \mathrm{U}_{\mathrm{e}}=\mathrm{AC} 400 \mathrm{~V} ; \mathrm{I}_{\mathrm{e}}=160 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}}=\mathrm{AC} 500 \mathrm{~V} ; \mathrm{I}_{\mathrm{e}}=160 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}}=\mathrm{AC} 690 \mathrm{~V} ; \mathrm{I}_{\mathrm{e}}=100 \mathrm{~A} \end{aligned}$ | AC 23 B AC 22 B AC 22 B | AC 23 B AC 22 B AC 22 B |
| Rated operational voltage $\mathrm{U}_{\mathrm{e}}$ | 690 V | 690 V |
| Rated insulation voltage $\mathrm{U}_{\mathrm{i}}$ | 1000 V | 1000 V |
| Rated impulse withstand voltage $\mathrm{U}_{\mathrm{imp}}$ | 8 kV | 8 kV |
| Rated frequency | $50 \ldots 60 \mathrm{~Hz}$ | $50 \ldots 60 \mathrm{~Hz}$ |
| Degree of protection | IP 30 | IP 30 |
| Degree of pollution | 3 | 3 |
| Rated duty | uninterrupted duty | uninterrupted duty |
| Rated conditional short-circuit current with fuse links $\begin{aligned} & \mathrm{U}_{\mathrm{e}}=\mathrm{AC} 400 \mathrm{~V} ; \mathrm{I}_{\mathrm{e}}=160 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}}=\mathrm{AC} 500 \mathrm{~V} ; \mathrm{I}_{\mathrm{e}}=160 \mathrm{~A} \\ & \mathrm{U}_{\mathrm{e}}=\mathrm{AC} 690 \mathrm{~V} ; \mathrm{I}_{\mathrm{e}}=100 \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 80 \mathrm{kA} \\ & 80 \mathrm{kA} \\ & 50 \mathrm{kA} \end{aligned}$ | $\begin{aligned} & 80 \mathrm{kA} \\ & 80 \mathrm{kA} \\ & 50 \mathrm{kA} \end{aligned}$ |
| Rated short circuit making capacity with solid links $\mathrm{I}_{\mathrm{cm}}$ | 4.5 kAsw | 4.5 kAsw |
| Rated short-time withstand current $\mathrm{I}_{\mathrm{cw}}$ | $4.5 \mathrm{kA} / 1 \mathrm{~s}$ | $4.5 \mathrm{kA} / 1 \mathrm{~s}$ |
| Power dissipation by $\mathrm{I}_{\text {th }}$ without NH -fuse links | 18 W | 18 W |
| Power dissipation by $\mathrm{Ith}_{\text {th }}$ 250A without solid links | 44 W | 44 W |
| Installation mode | bus bar installation | bus bar installation |
| Cable terminal connection |  |  |
| Standard cable terminal | M8 | M8 |
| for cable lugs Cu max. | $70 \mathrm{~mm}^{2}$ | $70 \mathrm{~mm}^{2}$ |
| for cable lugs AI max. | $70 \mathrm{~mm}^{2}$ | $70 \mathrm{~mm}^{2}$ |
| for copper bars with max. dimensions | $20 \times 5 \mathrm{~mm}$ | $20 \times 5 \mathrm{~mm}$ |
| V-shaped lugs for V-terminal clamps | $10-95 \mathrm{~mm}^{2}$ | $10-95 \mathrm{~mm}^{2}$ |
| Bus bar terminal connection |  |  |
| Standard bus bar terminal | M8 | clamp terminal via adapter |
| Hooked clamp for bus bar with thickness | 5 ... 10 mm | 5 ... 10 mm |
| Bus bar system | 100 mm | 185 mm |

## DIMENSIONS

MULTIVERT ${ }^{\text {® }}$ NH-vertical fuse switch disconnector 160A/100mm
direct installation with screws on to 100mm bus bar system (MO1137c)


Dimensions in mm

## DIMENSIONS

MULTIVERT ${ }^{\circledR}$ NH-vertical fuse switch disconnector 160A/100mm
direct installation without drilling with hooked clamps
on to 100 mm bus bar system


1) dimensions from upper edge of bus bar

Dimensions in mm

## DIMENSIONS

MULTIVERT ${ }^{\circledR}$ 160A/100mm NH-vertical fuse switch disconnector
direct installation without drilling including adapter
with hooked clamps for installation on to 185mm bus bar system (MO1146)


Dimensions in mm

## DIMENSIONS

Cable termination MULTIVERT ${ }^{\circledR}$ 160A (MA107d)

| reference N | S | A | V | R | K |
| :---: | :---: | :---: | :---: | :---: | :---: |
| article number 00SZS | OOSZESK | 00SZA70 | 00SZVK1 ((accessory)) | *) | 1.003.433 |
| type of terminal screw | clamp strap | Al/Cu clamp | V-clamp | frame clamp | clamping block |
| cross section $\mathrm{Cu} 16-17$ | Cu 4-70 | Cu 1,5-70 | Cu 10-50 | Cu 2,5-70 | Cu 1,5-16 |
| $\left[\mathrm{mm}^{2}\right]$ Al 16-95 | - | Al 1,5-70/95 se | Al 35-70/95 se | - | - |
| $\mathrm{M}[\mathrm{Nm}]$ $15-17$ | 3-4 | 3-4 | 5-6 | 6 | 3,4 |
|  |  |  |  |  | (ㄱ) M5 <br> (2.5) <br> $1,5-16 \mathrm{~mm}^{2} \mathrm{re} / \mathrm{rm}$ |

*) installed on to MULTIVERT 160A, 1x trible pole switching
art. no. 1.000 .904 (for 100 mm bus bar system) and art. no. 1.002 .489 (for 60 mm bus bar system)

## DIMENSIONS

Adapter size 00 for direct installation
without drilling on to 185 mm bus bar system (MA112b)


1) dimensions from upper edge of bus bar


Dimensions in mm

## EXPLODED SKETCH

MULTIVERT ${ }^{\text { }}$ 160A $1 x$ triple pole switching (E 1.000.857)


| no. | articlenumber | short Description |
| :--- | :--- | :--- |
| 1 |  | Main base |
| 2 |  | Protection cover |
| 3 |  | Switch operating cover |
| 4 |  | Handle |
| 5 |  | - |
| 6 |  | Labelling area/label |
| 7 | MZOOKH | Cover shroud 106 mm |

## ACCESSORIES



MZOOKH

1.000.915


MZAW

## Cover/shrouds for cable termination

| Catalog number | Item number | Design | Package | Weight |
| :---: | :---: | :---: | :---: | :---: |
| MZOOKH | F1023298 | cover shroud length 106 mm for MULTIVERT®/BSL 160 A | 1 piece | 20 g |
| MZ00KA | L1023464 | extended cover shroud for cover shroud MZ00KH | 1 piece | 40 g |
| 1.000.915 | H1023300 | cover shroud for MULTIVERT®/BSL 160 A with V-terminal | 1 piece | 50 g |

## Covers/level \& system adjustment covers

$\left.\begin{array}{|l|l|l|l|l|}\hline \begin{array}{l}\text { Catalog } \\ \text { number }\end{array} & \text { Item number } & \text { Design } & \text { Package } & \text { Weight } \\ \hline \text { MZOOAAD } & \text { X214081 } & \begin{array}{l}2 \text { piece adjustment, with integrated area for labeling to adapt to } \\ \text { MULTIVERT }\end{array} & \text { for } 185 \mathrm{~mm} \text { bus bar system }\end{array}\right)$

MZOOAAD

## ACCESSORIES




MZO1LPAP


Covers/spare way covers

| Catalog <br> number | Item number | Design | Application | Package | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |
| MZ00LPAP | B1023409 | spare way cover without level adjustment <br> width 50 mm , length 320 mm <br> for single adapter MZ00ESA and double <br> adapter MZ00DSA <br> including fixing material | bus bar <br> system <br> 100 mm | 1 piece | 50 g |
| MZ01LPAP | C1023410 | spare way cover without level adjustment <br> width 50 mm , length 500 mm <br> including fixing material | bus bar <br> system <br> 185 mm | 1 piece | 60 g |
| 1.002 .493 | N1002283 | spare way cover <br> width 50 mm, length 630 mm <br> for covering of open installation spaces in <br> distribution units with central cover | bus bar <br> system <br> 185 mm | 1 piece | 0.14 kg |
| 1.002 .830 | E1023412 | spare way cover <br> width 50 mm, length 630 mm <br> with level adjustment 123 mm <br> for bus bar installation, <br> set $=$ cover + fixing set <br> $(2$ distance pieces, 2 screw rivets $)$ | bus bar <br> system <br> 185 mm | 1 set | 0.20 kg |


1.002 .830

Installation devices/bus bar installation

| Catalog <br> number | Item number | Design | Package | Weight |
| :--- | :--- | :--- | :--- | :--- |
| 00SZRK3 | K215105 | hooked clamp size 00, M = 5 Nm <br> 1 set = 3 pieces | 1 set | 0.10 kg |
| 1.002 .646 | W1023450 | M10 insert nut, size 00 <br> 1 set $=30$ pieces | 1 set | 0.12 kg |

## ACCESSORIES <br> 1.001 .289 <br> 1.001 .298



Adapter für installation on to bus bars with screw terminal

| Catalog <br> number | Item number | Design | Application | Package | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |
| MZ00DSA | C217145 | double adapter $100 / 185 \mathrm{~mm}$ <br> with increased touch protection <br> to obtain uniform profile in height <br> for combined installation with <br> MULTIVERT®/BSL $250 \mathrm{~A}, 400 \mathrm{~A}, 630 \mathrm{~A}$ | MULTIVERT® <br> $160 \mathrm{~A} / 100 \mathrm{~mm}$ <br> $1 \times 3$-pole | 1 piece | 0.71 kg |
| MZ00ESA | Q216628 | single adapter $100 / 185 \mathrm{~mm}$ <br> with increased touch protection <br> to obtain uniform profile in height <br> for combined installation with <br> MULTIVERT $/ B S L 250 \mathrm{~A}, 400 \mathrm{~A}, 630 \mathrm{~A}$ | MULTIVERT® <br> $160 \mathrm{~A} / 100 \mathrm{~mm}$ <br> $1 \times 3$-pole | 1 piece | 0.51 kg |
| MZ00ESAECO | D1023296 | Einfachadapter $100 / 185 \mathrm{~mm}$ <br> to obtain uniform profile in height <br> for combined installation with <br> MULTIVERT®/BSL $250 \mathrm{~A}, 400 \mathrm{~A}, 630 \mathrm{~A}$ | MULTIVERT® <br> $160 \mathrm{~A} / 100 \mathrm{~mm}$ <br> $1 \times 3$-pole | 1 piece | 0.19 kg |

Adapter für installation on to bus bars with clamp terminal

| Catalog <br> number | Item number | Design | Application | Package | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1.001 .289 | C1023295 | single adapter $100 / 185 \mathrm{~mm}$ <br> with increased touch protection <br> to obtain uniform profile in height <br> for combined installation with <br> MULTIVERT $250 \mathrm{~A}, 400 \mathrm{~A}, 630 \mathrm{~A}$ | MULTIVERT® <br> $160 \mathrm{~A} / 100 \mathrm{~mm}$ <br> $1 \times 3-$-pole | 1 piece | 0.56 kg |
| 1.001 .298 | Y1023291 | double adapter 100/185 mm <br> with increased touch protection <br> to obtain uniform profile in height <br> for combined installation with <br> MULTIVERT 250 A, 400 A, 630 A | MULTIVERT® <br> $160 \mathrm{~A} / 100 \mathrm{~mm}$ <br> $1 \times 3-$ pole | 1 piece | 0.8 kg |


| Catalog <br> number | Item number | Design | Package | Weight |
| :--- | :--- | :--- | :--- | :--- |
| 1.002 .939 | Y1023452 | electronic fuse monitoring ESÜ size 00 for MULTIVERT® 160 A <br> with cabling of instrument leads (rated voltage 525VAC) | 1 piece | 0.66 kg |
| MZ00ESM | D228761 | Electronic System Monitor ESM size 00 <br> for MULTIVERT |  |  |
| 160 A with cabling of instrument leads | 1 piece | 0.35 kg |  |  |
| 1.000 .852 | Q1002285 | indicator for switch door position <br> micro switch, 1 change-over contact $5 \mathrm{~A}, 250 \mathrm{~V}$ | 1 piece | 90 g |

## ACCESSORIES



## Amperemeter units

| Catalog <br> number | Item number | Design | Package | Weight |
| :--- | :--- | :--- | :--- | :--- |
| 1.000 .106 | R1023285 | size 00, 100 A, with drag indicator, triple pole measurement <br> (optional L1, L2, L3) | 1 piece | 0.34 kg |
| 1.000 .107 | S1023286 | size 00, 150 A, with drag indicator, triple pole measurement <br> (optional L1, L2, L3) | 1 piece | 0.34 kg |
| 1.000 .100 | K1023279 | size 00, 100 A, with drag indicator, single pole measurement | 1 piece | 0.34 kg |
| 1.000 .101 | L1023280 | size 00, 150 A, with drag indicator, single pole measurement | 1 piece | 0.34 kg |

Current transformers in combination with adaper

| Catalog <br> number | Item number | Design | Package | Weight |
| :--- | :--- | :--- | :--- | :--- |
| 1.000 .121 | F1024609 | lurrent transformer for adapter <br> for single pole measurement up to 100/5A, class 1 <br> set = 1 piece current transformer + 3 pieces distance tubes art. <br> no. 1.000.125 for level adjustment, 1 piece installed, 2 pieces <br> additionally packed | 1 set | 0.51 kg |
| 1.000 .123 | H1024611 | lurrent transformer for adapter <br> for single pole measurement up to 150/5A, class 1 <br> set = 1 piece current transformer + 3 pieces distance tubes art. <br> no. 1.000.125 for level adjustment, 1 piece installed, 2 pieces <br> additionally packed | 1 set | 0.52 kg |
| 1.000 .122 | G1024610 | lurrent transformer for adapter <br> for triple pole measurement up to 100/5A, class 1 <br> set = 3 pieces current transformer with distance tubes art.no. <br> 1.000 .125 for level adjustment 3 pieces installed | 1 set | 0.78 kg |
| 1.000 .124 | J1024612 | current transformer for adapter <br> for triple pole measurement up to 150/5A, class 1 <br> set = 3 pieces current transformer with distance tubes art.no. <br> 1.000 .125 for level adjustment 3 pieces installed | 1 set | 0.81 kg |
| 1.000 .125 | V1024599 | distance tube for adapter for level adjustment <br> supplementary set for neighbouring MULTIVERT® without <br> measurement <br> to obtain uniform profile in height <br> 1 set = 3 pieces | 1 set | 0.37 kg |
| 1.000 .117 | R1023446 | single adapter 100/185 mm for circuit transformer |  |  |
| 1.000 .119 | A1023293 | double adapter 100/185 mm for circuit transformer | 1 piece | 0.34 kg |
| 1.000 .120 | B1023294 | double adapter 185/185 mm for circuit transformer | 1 piece | 0.58 kg |

## ACCESSORIES



MZ003SW100


SZ1SW150


MZOOPR150


MZOOBT2

## Current transformers/external current transformers

| Catalog number | Item number | Design | Package | Weight |
| :---: | :---: | :---: | :---: | :---: |
| MZ001SW100 | C1024606 | current transformer up to 100 A for single pole measurement between bus bar and MULTIVERT® <br> set $=1$ piece current transformer +3 pieces distance tubes for level adjustment, 1 piece installed in the current transformer, 2 pieces additionally packed | 1 set | 0.55 kg |
| MZ001SW150 | E1024608 | current transformer up to 150 A for single pole measurement between bus bar and MULTIVERT ${ }^{\circledR}$ <br> set = 1 piece current transformer +3 pieces distance tubes for level adjustment, 1 piece installed in the current transformer, <br> 2 pieces additionally packed | 1 set | 0.55 kg |
| MZ003SW100 | B1024605 | current transformer up to 100/5A for triple pole measurement between bus bar and MULTIVERT® ${ }^{\circledR}$, class 1 set $=3$ pieces current transformer with distance tubes for level adjustment, 3 pieces installed in the current transformer | 1 set | 1.84 kg |
| MZ003SW150 | D1024607 | current transformer up to 150/5A for triple pole measurement between bus bar and MULTIVERT® ${ }^{\circledR}$, class 1 set $=3$ pieces current transformer with distance tubes for level adjustment, 3 pieces installed in the current transformer | 1 set | 1.85 kg |
| SZ1SW100 | H1024565 | current transformer up to 100/5A for single pole measurement between bus bars, class 1 (incoming and outgoing bar) | 1 piece | 0.32 kg |
| SZ1SW150 | J1024566 | current transformer up to 150/5A for single pole measurement between bus bars, class 1 (incoming and outgoing bar) | 1 piece | 0.33 kg |
| MZ00PR150 | R1024596 | distance tube for level adjustment, up to 150/5A, supplementary set for neighbouring MULTIVERT® ${ }^{\circledR}$ without measurement to obtain uniform profile in height 1 set $=3$ pieces | 1 set | 0.4 kg |

## Labelling facilities

| Catalog <br> number | Item number | Design | Package | Weight |
| :--- | :--- | :--- | :--- | :--- |
| MZ00BT2 | K215611 | label holder size 00 | 1 piece | 10 g |

## ACCESSORIES



Varieties of cable termination

| Catalog number | Item number | Design | Package | Weight |
| :---: | :---: | :---: | :---: | :---: |
| 00SZS | M229298 | M8 terminal screw for switch gear size 00 1 set $=3$ pieces | 1 set | 35 g |
| 00SZESK | E214594 | clamp strap Cu 4-70 mm² for switch gear size 00 1 set $=3$ pieces | 1 set | 35 g |
| 00SZA70 | R211523 | Al/Cu clamp 1,5-70 mm² for switch gear size 00 1 set = 3 pieces | 1 set | 75 g |
| 1.003.571 | V1033684 | AI/Cu clamp $50-95 \mathrm{~mm}^{2}$ round stranded for switch gear size 00 1 set = 3 pieces | 1 set | 88 g |
| 1.003.433 | L1022958 | triple clamp per pole 1.5 up to $16 \mathrm{~mm}^{2}$ 1 set = 3 pieces | 1 set | 0.14 kg |
| 00SZVK1 | D1023434 | V-terminal clamp size 00, <br> $10-70 \mathrm{~mm}^{2}$ round stranded, $10-95 \mathrm{~mm}^{2}$ round solid, $35-95 \mathrm{~mm}^{2}$ single stranded, $50-95 \mathrm{~mm}^{2}$ single solid, $\mathrm{M}=12 \mathrm{Nm}$ | 30 | 0.4 kg |
| 1.000.098 | E1023435 | insulation cap for V-terminal clamp size 00 | 12/120 | 2 g |

1.000.098

