

SAK-Series for special applications

| | | |
|-------------------------------------|--|-----|
| SAK-Series for special applications | Modular terminals for high-temperature applications | |
| | TS 32 / Ceramic | D.2 |
| | Modular terminals for nuclear power stations | |
| | Overview | D.4 |
| | TS 32 / EP | D.6 |

Modular terminals for high-temperature applications

TS 32 / Ceramic

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

| | |
|---|-------------------|
| Width/Length/height with TS35x7.5 | mm |
| max. current / max. cond. cross-section | A/mm ² |
| Max. clamping range | mm ² |

Technical data

| Rated data | |
|--|-----------------|
| Rated voltage | V |
| Rated current | A |
| Rated cross-section | mm ² |
| Rated impulse voltage / Pollution severity | kV/- |
| Gauge to IEC 60947-1 / UL94 Flammability class | Approvals |
| Clamped conductors (H05V/H07V) | |
| solid / stranded | mm ² |
| flexible / Stranded wire with end ferrules | mm ² |
| Tightening torque range (clamping screw) | |
| Stripping length / Blade size | mm/- |
| 2 conductors with same cross-section (H05V/H07V) | |
| solid / stranded | mm ² |
| flexible / Stranded wire with end ferrules | mm ² |
| Note | |

Ordering data

| Version |
|---------|
| white |
| Note |

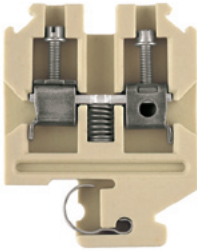
Accessories

| Screwable cross-connection | |
|-----------------------------|--|
| 2-pole | |
| 3-pole | |
| 4-pole | |
| 10-pole | |
| Connecting sleeve | |
| Mounting screw | |
| End plate / Partition plate | |
| white | |

SAKK 4 Sn

4 mm²

Tin Plated for high continuous temperatures
- max. 250 °C



| |
|-------------|
| 8 x 40 x 53 |
| 41 / 6 |
| 0.33...6 |

| IEC 60947-7-1 | Ex e II | Ex | II 2 G D |
|--|---------|-----|------------|
| IEC | UL | CSA | EN 60079-7 |
| 800 | 600 | | 275 |
| 32 | 30 | | 28 |
| 4 | | | 4 |
| 8 / 3 | | | |
| A4 / 5VB | | | |
| SIRA 03ATEX3425 U | | | |
| Rated connection | | | |
| 0.5...6 | | | |
| 0.5...4 / 0.5...4 | | | |
| 0.5...1.0 Nm (M 3) | | | |
| 10 / 0.6 x 3.5 mm | | | |
| 0.5...1.5 | | | |
| 0.5...1.5 / 0.5...1.5 | | | |
| Do not use mechanical or electrical torque screwdrivers for fastening the conductor. | | | |

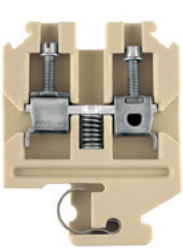
| Type | Qty. | Order No. |
|---------------|------|------------|
| SAKK 4 KER/WS | 25 | 1598080000 |

| Type | current | Qty. | Order No. |
|---------------------|---------|------|------------|
| QL 2 SAKK 4 TIN | 32 A | 100 | 9509420000 |
| QL 3 SAKK 4 TIN | 32 A | 100 | 9509430000 |
| QL 4 SAKK 4 TIN | 57 A | 50 | 9509440000 |
| QL 10 SAKK 4 TIN | 41 A | 20 | 9509450000 |
| VH 13.5 SAKK4 | | 100 | 9509460000 |
| KISC M3X20.5/10 EK4 | | 100 | 0303000000 |
| Width | | | |
| AP SAKK4/10 KER/WS | 3 mm | 10 | 9502630000 |

SAKK 4 Ni

4 mm²

Nickel coating for high-temperature applications
- max. 750°C for 3 hours



| |
|-------------|
| 8 x 40 x 53 |
| 41 / 6 |
| 0.33...6 |

| IEC 60947-7-1 | Ex e II | Ex | II 2 G D |
|--|---------|-----|------------|
| IEC | UL | CSA | EN 60079-7 |
| 800 | 600 | | 275 |
| 32 | 30 | | 28 |
| 4 | | | 4 |
| 8 / 3 | | | |
| A4 / 5VB | | | |
| SIRA 03ATEX3425 U | | | |
| Rated connection | | | |
| 0.5...6 | | | |
| 0.5...4 / 0.5...4 | | | |
| 0.5...1.0 Nm (M 3) | | | |
| 10 / 0.6 x 3.5 mm | | | |
| 0.5...1.5 | | | |
| 0.5...1.5 / 0.5...1.5 | | | |
| Do not use mechanical or electrical torque screwdrivers for fastening the conductor. | | | |

| Type | Qty. | Order No. |
|--------|------|------------|
| SAKK 4 | 25 | 9502600000 |

| Type | current | Qty. | Order No. |
|---------------------|---------|------|------------|
| QL 2 SAKK 4 | 32 A | 100 | 9502540000 |
| QL 3 SAKK 4 | 32 A | 100 | 9502550000 |
| QL 4 SAKK 4 | 32 A | 50 | 9502560000 |
| QL 10 SAKK 4 | 41 A | 20 | 9502570000 |
| VH 13.5 SAKK 4 | | 100 | 9502580000 |
| KISC M3X20.5/10 EK4 | | 100 | 0303000000 |
| Width | | | |
| AP SAKK4/10 KER/WS | 3 mm | 10 | 9502630000 |

(see assortment in catalogue 7)

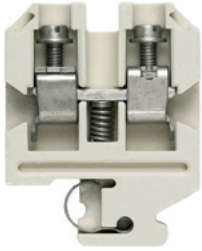
For detailed information on other accessories and applications, refer to the „Accessories“ section

Twin wire-end ferrules ZH 0.5 - ZH 2.5 can be used. End bracket MEW 1/32 order no. 0445600000; locking pin SST3 order no. 0152700000

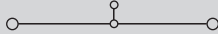
End Barrier MEW 1/32 order no. 0445600000; Locking pin SST3 order no. 0152700000

SAKK 10 Sn**10 mm²**

Tin Plated for high continuous temperatures
- max. 250 °C



11.5 x 40 x 53

76 / 16**1.5...16**

IEC 60947-7-1

Ex e II



|| 2 G D

| IEC | UL | CSA | EN 60079-7 |
|-----|-----|-----|------------|
| 800 | 600 | | 275 |
| 57 | 55 | | 50 |
| 10 | | | 10 |

8 / 3

B6 / 5VB



SIRA 03ATEX3425 U

Rated connection

1.5...16 / 1.5...16

1.5...16 / 1.5...10

2.0...4.0 Nm (M 4)

12 / 1.0 x 5.5 mm

Do not use mechanical or electrical torque screwdrivers for fastening the conductor.

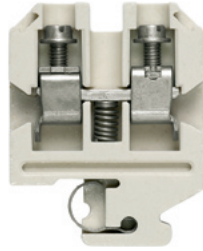
| Type | Qty. | Order No. |
|----------------|------|-------------------|
| SAKK 10 KER/WS | 25 | 1598090000 |

| Type | current | Qty. | Order No. |
|---------------------|---------|------|-------------------|
| QL 2 SAKK 10 TIN | | 100 | 9509470000 |
| QL 3 SAKK 10 TIN | | 50 | 9509480000 |
| QL 4 SAKK 10 TIN | | 50 | 9509490000 |
| QL 10 SAKK 10 TIN | | 20 | 9509500000 |
| VH 12.5 SAKK10 | | 50 | 9509510000 |
| KISC M3X20.5/10 EK4 | | 100 | 0303000000 |
| Width | | | |
| AP SAKK4/10 KER/WS | 3 mm | 10 | 9502630000 |

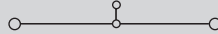
End barrier MEW 1/32 order no. 0445600000;
Locking pin SST3 order no. 0152700000

SAKK 10 Ni**10 mm²**

Nickel coating for high-temperature applica-
tions - max. 750°C for 3 hours



11.5 x 40 x 53

76 / 16**1.5...16**

IEC 60947-7-1

Ex e II



|| 2 G D

| IEC | UL | CSA | EN 60079-7 |
|-----|-----|-----|------------|
| 800 | 600 | | 275 |
| 57 | 55 | | 50 |
| 10 | | | 10 |

8 / 3

B6 / 5VB



SIRA 03ATEX3425 U

Rated connection

1.5...16 / 1.5...16

1.5...16 / 1.5...10

2.0...4.0 Nm (M 4)

12 / 1.0 x 5.5 mm

Do not use mechanical or electrical torque screwdrivers for fastening the conductor.

| Type | Qty. | Order No. |
|---------|------|-------------------|
| SAKK 10 | 25 | 9502610000 |

| Type | current | Qty. | Order No. |
|---------------------|---------|------|-------------------|
| QL 2 SAKK 10 | 57 A | 100 | 9502650000 |
| QL 3 SAKK 10 | 57 A | 50 | 9502660000 |
| QL 4 SAKK 10 | 57 A | 50 | 9502670000 |
| QL 10 SAKK 10 | 57 A | 20 | 9502680000 |
| VH 12.5 SAKK10 | | 50 | 9502690000 |
| KISC M3X20.5/10 EK4 | | 100 | 0303000000 |
| Width | | | |
| AP SAKK4/10 KER/WS | 3 mm | 10 | 9502630000 |

End barrier MEW 1/32 order no. 0445600000;
Locking pin SST3 order no. 0152700000

Terminal Blocks for the Containment Areas of Nuclear Power Generating Stations

D

NEQ

Nuclear Environmental Qualification

Test Report

REPORT NO. 42542-1 REVISION B

WYLE JOB NO. 42542

CUSTOMER 92.8048/999/QW

P. O. NO.

PAGE 1 OF 1317 PAGE REPORT A

DATE August 26, 1993

SPECIFICATION (S) See references

in Paragraph 5.0

1.0 CUSTOMER Weidmüller

ADDRESS Klängenbergsstraße 16, Postfach 3030, 5940 Detmold, Germany

2.0 TEST SPECIMEN Terminal Blocks

3.0 MANUFACTURER Weidmüller

4.0 SUMMARY

A Nuclear Environmental Qualification Test Program was performed on 67 test groups of various Weidmüller terminal blocks in accordance with Wyle Laboratories Nuclear Environmental Qualification Plan, 42541-00, Revision A. The test program was performed October 2, 1992 through June 25, 1993.

(1ka)

STATE OF ALABAMA } Alabama Professional
COUNTY OF MADISON } Engineer Reg. No. 16011

Joseph T. Hazelton, P.E., being duly sworn,
deposes and says: The information contained in this report is the result of complete
and carefully conducted tests and is to the best of his knowledge true and correct in
all respects.

SP-88 Joseph T. Hazelton
SUBSCRIBED and sworn to before me this 27th day of May, 1993
Susan G. Kiser
Notary Public in and for the State of Alabama at large.
My Commission expires September 7, 1993

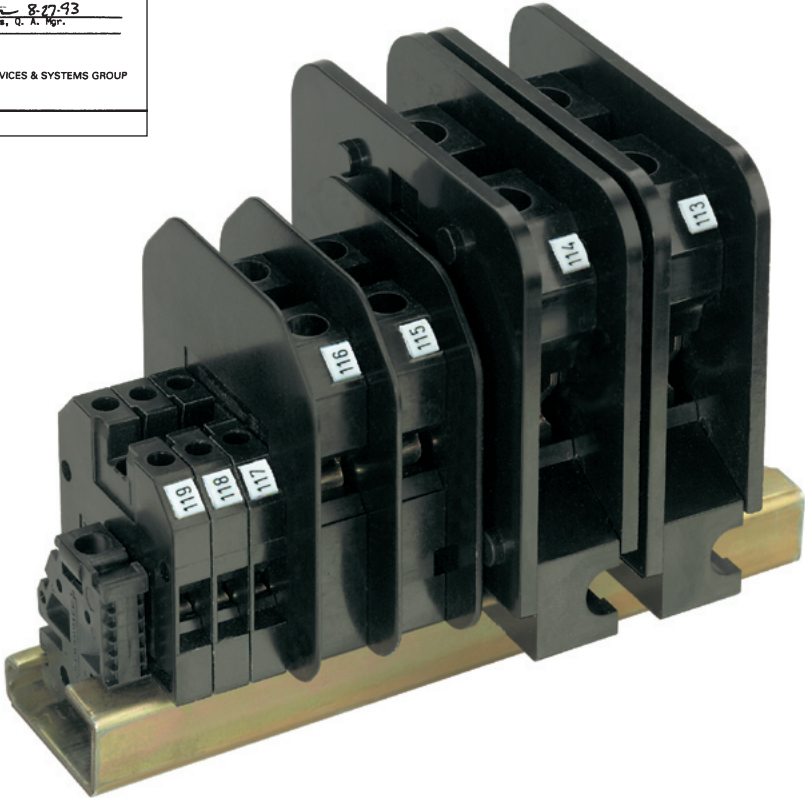
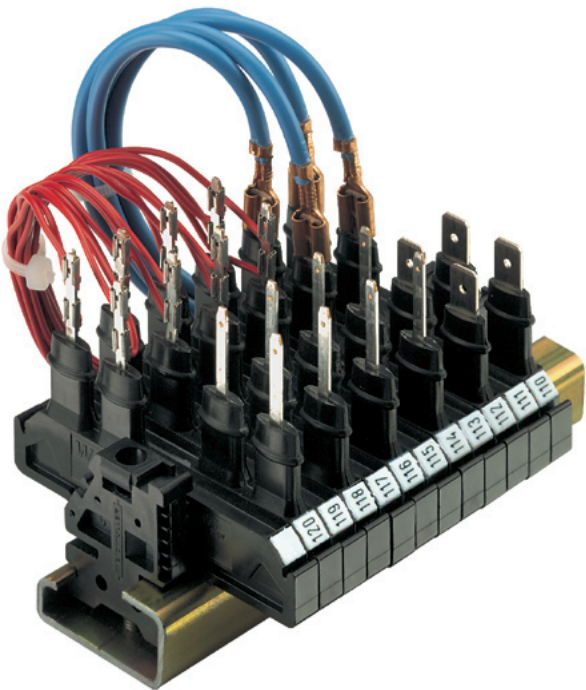
Wyle shall have no liability for damages of any kind to person or property, including special or consequential damages, resulting from Wyle's providing the services covered by this report.

PREPARED BY R. W. Y. / 8/25/93
P. McLaughlin, Project Engineer

APPROVED BY D. E. Smith 8/25/93
D. E. Smith, Dept. Manager

WYLE Q. A. T. R. / 8-27-93
T. R. / 8-27-93, U. A. Mgr.

WYLE
LABORATORIES SCIENTIFIC SERVICES & SYSTEMS GROUP
HUNTSVILLE, ALABAMA



High standards are set for products used in containment areas of nuclear power generating stations. Years of radioactive radiation must not lead to failure. Signals must be transmitted faultlessly in the case of accidents, for example, steam escaping after a coolant pipe burst.

In particular, steam enveloping the terminal blocks could lead to problems. Unsuitable terminal blocks cause leakage currents, which lead to signal distortions. That is why only products which have been approved in accordance with IEEE Class 1 E are allowed to be installed in containment areas.

The special feature of the tests carried out using Weidmüller's terminal blocks is that not only was the insulation resistance measured following an accident simulation, but that the leakage current was recorded during the LOCA test (Loss of Coolant Accident).

Weidmüller also offers for these applications a choice of products made from the special epoxy resin material EP with inorganic filler, which meets the demands for high standards.

The comprehensive test results produced by the Wyle Laboratories enable the regulatory body to judge Weidmüller's products for containment areas Class 1 E (accident simulation test profile 4) and for general use (accident simulation test profile 1) in nuclear generating stations.

Basis: IEEE 323 – 1983

"Qualifying class 1 E Equipment for Nuclear Power Generating Stations"

IEE 344 – 1987

"Recommended Practices for Seismic Qualification of Class 1 E Equipment for Nuclear Power Generating Stations"

Agency: Wyle Laboratories, Huntsville, Alabama, USA

Period: 1992 – 1993

The basis for the qualification statement are the standards laid down in the IEEE that comprise the following product cycles:

1. Functional Test/Initial Values

- Insulation resistance
- Volume resistances

2. Radioactive Aging

- Total dose: 220 Mrad
- Dose rate: 1 Mrad/h
- Volume resistance after contamination

3. Thermal aging equivalent to 40 years of operation at ambient temperature

- 32 °C = 90 °F outside of containment area
- 65 °C = 150 °F within the containment area
- Accelerated aging
- Insulation resistance after contamination

4. Earthquake Simulation

- 5 OBE, 1 SSE test in 3 axes
- Monitoring of the electrical functions

5. Accident Simulation

- Inside and outside of the containment area
- Monitoring of leakage currents for different applications during the accident simulation
- Insulation resistance after contamination

6. Functional Test/Final Values

- Volume resistance
- Optical inspection

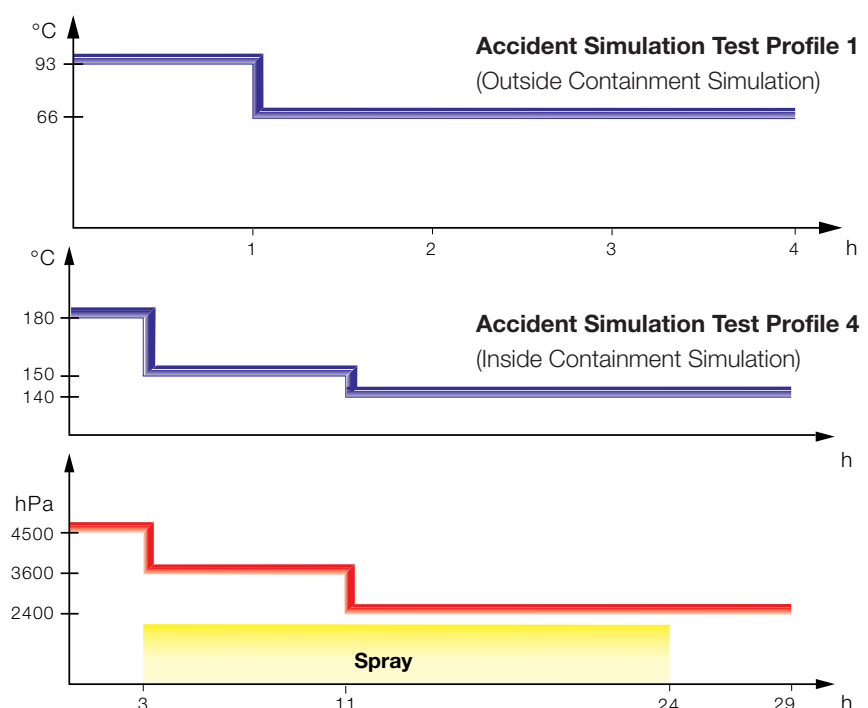
As well as the special terminal blocks for the containment areas, which correspond to the standards according to Class 1 E, Weidmüller has subjected a range of standard terminal blocks to intensive tests in accordance with test profile 1. They all fully meet the demands set for terminal blocks for outside of restricted areas.

**Accident Simulation Test Profile 1
Typical PWR Outside Containment Simulation**

During the 4-hour test, saturated steam is fed to the temperature control. This simulation is carried out at atmospheric pressure.

**Accident Simulation Test Profile 4
Typical PWR Inside Containment Simulation**

During the 29-hour test, saturated steam is fed to the temperature control. In the period from the 3rd to 24th hour, the test circuit that is coated with a chemical spray is alternatively coated with a demineralizing spray. This simulation is carried out at an increased pressure of a maximum of 4500 hPa (4.5 bar).



Modular terminals for nuclear power stations

TS 32 / EP

SAKH 4

4 mm²

SAKH 6

10 mm²

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.

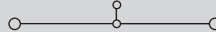
| | |
|---|-------------------|
| Width/Length/height with TS35x7.5 | mm |
| max. current / max. cond. cross-section | A/mm ² |
| Max. clamping range | mm ² |



6.5 x 40 x 51.5

41 / 6

0.13...6



14 x 57 x 76.5



76 / 16

0.5...16



Technical data

| Rated data | |
|--|-----------------|
| Rated voltage | V |
| Rated current | A |
| Rated cross-section | mm ² |
| Rated impulse voltage / Pollution severity | kV/- |
| Gauge to IEC 60947-1 / UL94 Flammability class | |
| Approvals | |
| Clamped conductors (H05V/H07V) | |
| solid / stranded | mm ² |
| flexible / Stranded wire with end ferrules | mm ² |
| Tightening torque range (clamping screw) | |
| Stripping length / Blade size | mm/- |
| Note | |

| IEC 60947-7-1 | | Ex e II | |  | II 2 G D |
|---|----|-------------------|------------|---|----------|
| IEC | UL | CSA | EN 60079-7 | | |
| 800 | | | 550 | | |
| 32 | | | 28 | | |
| 4 | | | 4 | | |
| | | 8 / 3 | | | |
| | | A4 / V-0 | | | |
|  | | KEMA 97ATEX1798 U | | | |
| Rated connection | | | | | |
| 0.5...6 / 0.5...4 | | | | | |
| 0.5...4 / 0.5...4 | | | | | |
| 0.5...1.0 Nm (M 3) | | | | | |
| 12 / 0.6 x 3.5 mm | | | | | |
| When using the twin wire-end ferrules ZH 0.5 - ZH 2.5 without a partition wall, the rated voltage is 690 V. | | | | | |

| IEC 60947-7-1 | | |
|--|----|----------|
| IEC | UL | CSA |
| 1000 | | |
| 57 | | |
| 10 | | |
| | | 8 / 3 |
| | | B6 / V-0 |
| PCE | | |
| Rated connection | | |
| 0.5...16 / 10...16 | | |
| 0.5...10 / 0.5...10 | | |
| 1.2...2.4 Nm (M 4) | | |
| 12 / 1.0 x 5.5 mm | | |
| Twin wire-end ferrules ZH 75 - ZH 6 can be used. | | |

Ordering data

| Version | |
|---------|-------|
| | black |
| | Black |
| Note | |

| Type | Qty. | Order No. |
|-----------------|------|------------|
| SAK 4 EP/SW | 100 | 0128300000 |
| SAK 4 CUN/EP/SW | 100 | 0168800000 |

| Type | Qty. | Order No. |
|--------------|------|------------|
| SAKH 6 EP/SW | 50 | 0126600000 |

Accessories

| Screwable cross-connection | |
|-----------------------------|-----------|
| | 2-pole |
| | 3-pole |
| | 4-pole |
| | 10-pole |
| Testing / Checking | |
| | Test plug |
| | Socket |
| End plate / Partition plate | |
| | black |



| Type | current | Qty. | Order No. |
|-------------------------|---------|------|------------|
| Q 2 SAK4 | 41 A | 50 | 0336700000 |
| Q 3 SAK4 | 41 A | 50 | 0336800000 |
| Q 4 SAK4 | 41 A | 50 | 0336900000 |
| Q 10 SAK4 | 41 A | 20 | 0368800000 |
| Width | | | |
| PS 4 F.STB 4 | 7.6 mm | 20 | 0299600000 |
| STB 14/D5/2.3/M3 SAK2.5 | | 50 | 0168600000 |
| TW SAK4-10 EP/SW | 2.5 mm | 20 | 0130100000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Width | | |
| AP SAKH6/10 EP/SW | 4 mm | 20 |
| | | 0131700000 |

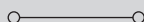
| | |
|--|---------------------------------|
| Marking systems | (see assortment in catalogue 7) |
| | Marking tags |
| For detailed information on other accessories and applications, refer to the „Accessories“ section | |

| |
|--|
| DEK 5/5 |
| End bracket from EP: 0693060000 EWK 1PPS/SW. |

| |
|--|
| DEK 5/5 |
| End bracket from EP: 0693060000 EWK 1PPS/SW. |

35 mm²

1.5...16



| IEC | UL | CSA |
|------|----------|-----|
| 1000 | | |
| 57 | | |
| 10 | | |
| | 8 / 3 | |
| | B6 / V-0 | |

The tightening economy is

The tightening torque is 2 Nm when connecting AWG 6/7 conductors.

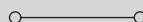
| Type | Qty. | Order No. |
|-------------------|------|------------|
| SAKH 10 EP/SW | 50 | 0126700000 |
| SAKH 10 CUN/EP/SW | 50 | 1104700000 |

[illegible]

End bracket from EP: 0693060000 EWK 1PPS/SW.



4...50



| IEC | UL | CSA |
|------|----------|-----|
| 1000 | | |
| 125 | | |
| 35 | | |
| | 8 / 3 | |
| | B8 / V-0 | |

18 / 6.5 x 1.2 mm

The tightening torque is 4.5 Nm for 16 - 50 mm² and AWG 6 - 2/7 stranded conductors.

| Type | Qty. | Order No. |
|---------------|------|------------|
| SAKH 35 EP/SW | 20 | 1596240000 |
| | | |
| | | |

[illegible]

End bracket from EP: 0693060000 EWK 1PPS/SW.

Modular terminals for nuclear power stations

TS 32 / EP

KMVF LI 6.3 EP/SW

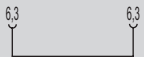
2.5 mm²

KMVF RE 6.3 EP/SW

2.5 mm²

In hazardous area applications, the installation instructions and the rated data specifications for accessories given in the technical appendix must be followed.


Width/Length/height with TS35x7.5 mm
 max. current / max. cond. cross-section A/mm²
 Max. clamping range mm²


6 x 70 x 54
 20 /


6 x 70 x 54
 20 /
 ...


Technical data

| Rated data | |
|--|-----------------|
| Rated voltage | V |
| Rated current | A |
| Rated cross-section | mm ² |
| Rated impulse voltage / Pollution severity | kV/- |
| Gauge to IEC 60947-1 / UL94 Flammability class | |
| Approvals | |
| Clamped conductors (H05V/H07V) | |
| solid / stranded | mm ² |
| flexible / Stranded wire with end ferrules | mm ² |
| Tightening torque range (clamping screw) | |
| Stripping length / Blade size | mm/- |
| Note | |

| IEC | UL | CSA |
|---|-------|-----|
| 800 | | |
| 16 | | |
| 2.5 | | |
| | 8 / 3 | |
| | / V-0 | |
|  | | |
| Rated connection | | |
| 0.5...2.5 | | |
| 0.5...2.5 / 0.5...2.5 | | |
| 250 V rated voltage for standard straight alignment and 800 V rated voltage for staggered alignment with alternating KMVF LI and KMVF RE. | | |

| IEC | UL | CSA |
|---|-------|-----|
| 800 | | |
| 16 | | |
| 2.5 | | |
| | 8 / 3 | |
| | / V-0 | |
|  | | |
| Rated connection | | |
| 0.5...2.5 | | |
| 0.5...2.5 / 0.5...2.5 | | |
| 250 V rated voltage for standard straight alignment and 800 V rated voltage for staggered alignment with alternating KMVF LI and KMVF RE. | | |


Ordering data

| Version | |
|---------|-------|
| | black |
| | Black |
| Note | |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| KMVF LI 6.3 EP/SW | 50 | 0249100000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| KMVF RE 6.3 EP/SW | 50 | 0249200000 |

Accessories

| Screwable cross-connection | |
|---|-----------|
|  | 2-pole |
| | 3-pole |
| | 4-pole |
| | 10-pole |
| Testing / Checking | |
| | Test plug |
| | Socket |
| End plate / Partition plate | |
| | black |

| Type | Qty. | Order No. |
|------|------|-----------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| Type | Qty. | Order No. |
|------|------|-----------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Marking systems (see assortment in catalogue 7)
 Marking tags
For detailed information on other accessories and applications, refer to the „Accessories“ section

DEK 5/5

DEK 5/5

KMVT LI 2.4 EP/SW

0.5 mm²

6 x 70 x 62

/

...

2.4

2.4

KMVT RE 2.4 EP/SW

0.5 mm²

6 x 70 x 62

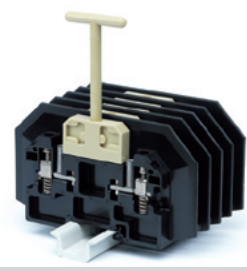
/

...

2.4

2.4

PPT/35

6 mm²

15 x 138 x 77

30 / 10

0.5...10



IEC 60947-7-1

| IEC | UL | CSA |
|-------------------------|-------|-----|
| 800 | | |
| 12 | | |
| 0.5 | | |
| | 8 / 3 | |
| | / V-0 | |
| Rated connection | | |
| 0.5...2.5 | | |
| 0.5...2.5 / 0.5...2.5 | | |

250 V rated voltage for standard straight alignment and 800 V rated voltage for staggered alignment with alternating KMVT LI and KMVT RE.

| IEC | UL | CSA |
|-------------------------|-------|-----|
| 800 | | |
| 12 | | |
| 0.5 | | |
| | 8 / 3 | |
| | / V-0 | |
| Rated connection | | |
| 0.5...2.5 | | |
| 0.5...2.5 / 0.5...2.5 | | |

250 V rated voltage for standard straight alignment and 800 V rated voltage for staggered alignment with alternating KMVT LI and KMVT RE.

| IEC | UL | CSA |
|-------------------------|--------|-----|
| 1500 | | |
| 30 | | |
| 6 | | |
| | 15 / 3 | |
| | / V-0 | |
| Rated connection | | |
| 0.5...10 / 0.5...10 | | |
| 1.5...6 / 1.5...4 | | |

12 /

| Type | Qty. | Order No. |
|-------------------|------|------------|
| KMVT LI 2.4 EP/SW | 50 | 0249300000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| KMVT RE 2.4 EP/SW | 50 | 0249400000 |

| Type | Qty. | Order No. |
|--------|------|------------|
| PPT/35 | 10 | 3835020000 |

| Type | Qty. | Order No. |
|------|------|-----------|
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| Type | Qty. | Order No. |
|------|------|-----------|
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| Type | Qty. | Order No. |
|-----------------------|--------|---------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| Width | | |
| PS 4 F.STB 4 | 7.6 mm | 20 0299600000 |
| STB 17/D6/4/M4 SAKC10 | | 50 0147100000 |
| AP PPT/35 | 3 mm | 10 3835120000 |

DEK 5/5

DEK 5/5

DEK 5/5

The isolating plug (3835360000) may only be pulled out with the removal tool (3835260000). Insulated mounting rail (0514300000).

