CERTIFICATE

Issued to:
Applicant:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
32758 Detmold, Germany

Licensee:
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
32758 Detmold, Germany

Product	:	(protective) terminal blocks for copper conductors
Trade name(s)	:	Weidmüller
Type(s)/model(s)	:	Series EK and SAK

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to the standard EN 60947-7-1:2009 and EN 60947-7-2:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900119

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 19 December 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-105669

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

H.R.M. Barends
Certification Manager

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

KEMA KEUR

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	(protective) terminal blocks for copper conductors
Trade name(s)	:	Weidmüller
Type(s)/model(s)	:	EK 10, EK 10/35, EK 16, EK 16/35, EK 2,5/35, EK 2,5N, EK 35, EK 35/35, EK 4, EK 4/35, EK 6/35, SAK 10, SAK 10/35, SAK 16, SAK 16/35, SAK 2,5, SAK 2,5/35, SAK 35, SAK 35/35, SAK 35/35/IK, SAK 4, SAK 4/35, SAK 6/35 and SAK 6N

Product data – type EK 10

Rated cross section	:	10 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 10 mm² rigid or flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	12 mm
Tightening torque terminal	:	1,2 Nm
Tightening torque support	:	0,5 Nm - 1 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 10/35

Rated cross section	:	10 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 10 mm² rigid or flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	12 mm
Tightening torque terminal	:	1,2 Nm
Tightening torque support	:	0,5 Nm - 1 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 16

Rated cross section	:	16 mm² rigid or flexible
Rated connecting capacity	:	2,5 mm² - 16 mm² rigid 4 mm² - 16 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	16 mm
Tightening torque terminal	:	2 Nm - 2,2 Nm
Tightening torque support	:	0,8 Nm - 1,6 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 16/35

Rated cross section	:	16 mm² rigid or flexible
Rated connecting capacity	:	2,5 mm² - 16 mm² rigid 4 mm² - 16 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	16 mm
Tightening torque terminal	:	2 Nm - 2,2 Nm
Tightening torque support	:	0,5 Nm - 1 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 2,5/35

Rated cross section	:	2,5 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	10 mm

Tightening torque terminal	:	0,4 Nm - 0,8 Nm
Tightening torque support	:	0,4 Nm - 0,6 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 2,5N

Rated cross section	:	2,5 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	10 mm
Tightening torque terminal	:	0,4 Nm - 0,8 Nm
Tightening torque support	:	0,5 Nm - 0,8 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 35

Rated cross section	:	35 mm² rigid or flexible
Rated connecting capacity	:	6 mm² - 50 mm² rigid 10 mm² - 35 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	20 mm
Tightening torque terminal	:	4 Nm
Tightening torque support	:	0,8 Nm - 1,6 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 35/35

Rated cross section	:	35 mm² rigid or flexible
Rated connecting capacity	:	6 mm² - 50 mm² rigid 10 mm² - 35 mm² flexible
Methode of mounting	:	top hat rail 32 mm
Stripping length	:	20 mm
Tightening torque terminal	:	4 Nm
Tightening torque support	:	1,2 Nm -2,4 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 4

Rated cross section	:	4 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	12 mm
Tightening torque terminal	:	0,5 Nm - 1 Nm
Tightening torque support	:	0,5 Nm - 1 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 4/35

Rated cross section	:	4 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	12 mm
Tightening torque terminal	:	0,5 Nm - 1 Nm
Tightening torque support	:	0,5 Nm - 1 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type EK 6/35

Rated cross section	:	6 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 10 mm² rigid or flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	12 mm
Tightening torque terminal	:	0,8 Nm - 1,6 Nm
Tightening torque support	:	0,5 Nm - 1 Nm
Description	:	two-conductor protective terminal block, 1-pole

Product data – type SAK 10

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	57 A
Rated cross section	:	10 mm² rigid or flexible
Rated connecting capacity	:	1,5 mm² - 16 mm² rigid or flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	12 mm
Tightening torque	:	2 Nm - 2,64 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 10/35

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	57 A
Rated cross section	:	10 mm² rigid or flexible
Rated connecting capacity	:	1,5 mm² - 16 mm² rigid or flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	12 mm
Tightening torque	:	2 Nm - 2,64 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 16

Rated voltage	:	1000 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	76 A
Rated cross section	:	16 mm² rigid or flexible
Rated connecting capacity	:	2,5 mm² - 16 mm² rigid 4 mm² - 16 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	15 mm
Tightening torque	:	2 Nm - 2,64 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 16/35

Rated voltage	:	1000 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	76 A
Rated cross section	:	16 mm² rigid or flexible
Rated connecting capacity	:	2,5 mm² - 16 mm² rigid 4 mm² - 16 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	15 mm
Tightening torque	:	2 Nm - 2,64 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 2,5

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	24 A
Rated cross section	:	2,5 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	10 mm
Tightening torque	:	0,4 Nm - 0,8 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 2,5/35

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	24 A
Rated cross section	:	2,5 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	10 mm
Tightening torque	:	0,4 Nm - 0,8 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 35

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	125 A
Rated cross section	:	35 mm² rigid or flexible
Rated connecting capacity	:	2,5 mm² - 50 mm² rigid 2,5 mm² - 35 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	18 mm
Tightening torque	:	2,5 Nm - 5 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 35/35

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	125 A
Rated cross section	:	35 mm² rigid or flexible
Rated connecting capacity	:	2,5 mm² - 50 mm² rigid 2,5 mm² - 35 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	18 mm
Tightening torque	:	2,5 Nm - 5 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 35/35/IK

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	125 A
Rated cross section	:	35 mm² rigid or flexible

Rated connecting capacity	:	2,5 mm² - 50 mm² rigid 2,5 mm² - 35 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	18 mm
Tightening torque	:	3 Nm - 6 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 4

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	32 A
Rated cross section	:	4 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	12 mm
Tightening torque	:	0,5 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 4/35

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	32 A
Rated cross section	:	4 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 6 mm² rigid 0,5 mm² - 4 mm² flexible
Methode of mounting	:	top hat rail 35 mm
Stripping length	:	12 mm
Tightening torque	:	0,5 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 6/35

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	41 A
Rated cross section	:	6 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 10 mm² rigid or flexible
Methode of mounting	:	top hat rail rail 35 mm
Stripping length	:	12 mm
Tightening torque	:	0,8 Nm - 1,6 Nm
Description	:	two-conductor through terminal block, 1-pole

Product data – type SAK 6N

Rated voltage	:	800 V
Rated impulse withstand voltage	:	8 kV
Conventional free air thermal current	:	41 A
Rated cross section	:	6 mm² rigid or flexible
Rated connecting capacity	:	0,5 mm² - 10 mm² rigid or flexible
Methode of mounting	:	G profile rail 32 mm
Stripping length	:	12 mm
Tightening torque	:	0,8 Nm - 1,6 Nm
Description	:	two-conductor through terminal block, 1-pole

TESTS

Test requirements
EN 60947-7-1:2009
EN 60947-7-2:2009

Test result
The test results are laid down in DEKRA test file 222855200.

Conclusion
The examination proved that all requirements were met.

Factory location
Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 16
32758 Detmold, Germany