

## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[0279660000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

**General ordering data**

Order No.	0279660000
Part designation	SAK 2.5
Version	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32
EAN	4008190069926
Qty.	100 pc(s).

**Product notes**

Note, technical data	With twin ferrules ZH 0.5 to ZH 1.5, rated voltage is 690 V.
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**PT OKIECEEx/ATEX rating data**

EU-type examination certificate	KEMA97ATEX1798U
Download, German	KEMA97ATEX1798U_d.pdf
Download English	KEMA97ATEX1798U_e.pdf
IECEX Certificate of Conformity	IECEXKEM06.0014U
ATEX voltage	550 V
ATEX current	21 A
ATEX conductor cross-section	2.5 mm <sup>2</sup>
IECEX voltage	550 V
IECEX current	21 A
IECEX conductor cross-section	2.5 mm <sup>2</sup>
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEX-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

**Additional technical data**

Colour of insulating material	beige
Connection direction	on side
End plate required	Yes
Explosion-tested version "Ex e"	No
Installation advice	TS 32
Insulating material	PA 66
Levels cross-connected internally	No
No. of levels	1
No. of terminal strips per level	2
Open sides	right
Operating temperature range	- 50 °C, + 100 °C
Type of connection	Screwed
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V2
Version	Feed-through terminal

**CSA rating data**

Voltage (CSA)	600 V
CSA current	25 A
Min. cross-section (CSA)	AWG 26

**CSA rating data**

Max. cross-section (CSA)	AWG 10
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**Conductors for clamping (additional connection)**

Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>

**Conductors for clamping (rated connection)**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
Type of connection	Screw connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	10 mm
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Tightening torque range	0.4...0.6 Nm
Torque level with DMS electric screwdriver	1
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	6 mm <sup>2</sup>
Stranded, min.	0.5 mm <sup>2</sup>
Stranded, max.	4 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>
Flexible, max.	4 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	4 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	4 mm <sup>2</sup>
Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire end ferrule, max.	1.5 mm <sup>2</sup>
AWG conductor size, min.	AWG 26
AWG conductor size, max.	AWG 10
AWG conductor size, min.	0.13 mm <sup>2</sup>
AWG conductor size, max.	5.26 mm <sup>2</sup>

**Dimensions**

Width	6 mm
Height of lowest version	46.5 mm
Length	36.5 mm
TS 32 offset	18.5 mm

**Disconnect terminals**

Torque level with DMS electric screwdriver	1
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**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>
Rated voltage	800 V

#### Rating data

Rated impulse voltage	8 kV
Rated current	24 A
Standards	IEC 60947-7-1
Current with max. conductor	41 A
Pollution severity	3

#### UL rating data

Voltage (UL)	600 V
Current (UL)	20 A
Min. cross-section (UL)	AWG 22
Max. cross-section (UL)	AWG 12

#### Approvals

Approvals institutes



#### Downloads

DXF	22359_SAK_2.5_DXF.dxf
STEP	0279660000_22359_SAK_2.5_STP.stp

#### Classifications

ETIM 2.0	EC000897
ETIM 3.0	EC000897
eClass 4.1	27-14-11-20
eClass 5.0	27-14-11-20
eClass 5.1	27-14-11-20

#### Similar products

Order No.	Part designation	Version
0269660000	SAK 2.5 (TSCH/32)	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32
0322860000	SAK 2.5/10	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32
0215560000	SAKD 2.5N	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 32
0215580000	SAKD 2.5N BL	Feed-through terminal, 2.5 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 32