

**SAK terminal feed-through terminal
SAK 6/35 PA/BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

The Weidmüller SAK feed-through terminals satisfy the requirements of IEC 60947-1 and are available with rated cross-sections from 0.08 mm² to 240 mm².

General ordering data

Order No.	0380580000
Part designation	SAK 6/35 PA/BL
Version	SAK terminal feed-through terminal, Feed-through terminal, Rated cross-section: 6 mm ² , Screw connection, PA 66, blue
GTIN (EAN)	4008190029050
Qty.	100 pc(s).

**SAK terminal feed-through terminal
SAK 6/35 PA/BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Technical data

Dimensions

TS 35 offset 31.7 mm

CSA ratings data

Certificate no.	154685-1501714	Voltage size C	600 V
Current size C (CSA)	47 A	Conductor cross-section, max.	8 AWG
Conductor cross-section, min.	20 AWG		

UL ratings data

Certificate no.	E60693VOL1SEC14	Voltage size C	600 V
Current size C (UR)	40 A	Conductor size Factory wiring, max	8 AWG
Conductor size Factory wiring, min	22 AWG	Conductor size Field wiring, max	8 AWG

IECEx/ATEX rating data

Certificate no.	KEMA97ATEX1798U	ATEX certificate	KEMA97ATEX1798U_d.pdf
ATEX certificate	KEMA97ATEX1798U_e.pdf	max. voltage	550 V
Current (ATEX)	36 A	Conductor cross-section, max.	6 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf	Operating temperature range	
Marking EN 60079-7	Ex e II		

Additional technical data

Colour of insulating material	blue	Connection direction	on side
End cover plate required	Yes	Explosion-tested version	Yes
Flammability class UL 94	V-2	Insulating material	PA 66
Levels cross-connected internally	No	No. of clamping points per level	2
Number of identical terminals	1	Number of levels	1
Open sides	right	Operating temperature range, max.	100 °C
Operating temperature range, min.	-50 °C	Product family	SAK terminal feed-through terminal
Type of connection	Screw connection	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Rated current	41 A	Type of connection	Screw connection
Clamping screw	M 3.5	Blade size	4.0 x 0.8 mm
Tightening torque, max.	1.6 Nm	Tightening torque, min.	0.8 Nm
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	6 mm ²
Conductor connection cross-section AWG, min.	AWG 22	Conductor connection cross-section AWG, max.	AWG 8

**SAK terminal feed-through terminal
SAK 6/35 PA/BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Technical data
Conductors for clamping (rated connection)

Clamping range, min.	0.33 mm ²	Clamping range, max.	10 mm ²
Type of connection	Screw connection	Connection direction	on side
No. of connections	2	Stripping length	12 mm
Clamping screw	M 3.5	Blade size	4.0 x 0.8 mm
Tightening torque, min.	0.8 Nm	Tightening torque, max.	1.6 Nm
Torque setting with DMS electric screwdriver 3		Gauge to IEC 60947-1	A5
Conductor cross-section, solid, min.	0.5 mm ²	Conductor cross-section, solid, max.	10 mm ²
Stranded, min.	0.5 mm ²	Stranded, max.	6 mm ²
Conductor cross-section, flexible, max.	10 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	6 mm ²	Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	6 mm ²	Twin wire-end ferrule, min.	0.5 mm ²
Twin wire-end ferrule, max.	4 mm ²	Conductor connection cross-section AWG, min.	AWG 22
Conductor connection cross-section AWG, max.	AWG 8		

Rating data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	41 A
Standards	IEC 60947-7-1	Current with max. conductor	57 A
Pollution severity	3		

Approvals

Approvals institutes	BURVER; CSA; EXIKONF; GERMLLOYD; GOSTME25; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; UR; CE
----------------------	--

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
eClass 5.1	27-14-11-20	eClass 6.0	27-14-11-20

Product notes

Note, ordering data	With AWG 6 and H07V-R10 conductors, an increased MD torque of 1.4 to 1.6 Nm should be used.
Note, accessories	When used with twin ferrules ZH 0.5 - ZH 4, the rated voltage is 690 V.