

WSI 25/1 10X38 1KV

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

General ordering data

Version	W-Series, Fuse terminal, Rated cross-section: 25 mm ² , Screw connection
Order No.	1137790000
Type	WSI 25/1 10X38 1KV
GTIN (EAN)	4032248961481
Qty.	12 Stück

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Technische Daten

Dimensions and weights

Depth	58 mm	Depth (inches)	2,283 inch
Height	81 mm	Height (inches)	3,189 inch
Width	18 mm	Width (inches)	0,709 inch
Net weight	51,417 g		

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	PA 66/6	Colour	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Fuse cartridge, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Rail	TS 35	N-function	No
PE function	No	PEN function	No

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross section, finely stranded, two clampable wires, min.	0,75 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	10 mm ²
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Additional technical data

Open sides	closed	Type of mounting	Snap-on
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CSA rating data

Certificate No. (CSA)	238018-1868186	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	18 AWG		

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Conductors for clamping (rated connection)

Clampable conductor	Connection specification	Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U	
		min.	1,5 mm ²	
		max.	25 mm ²	
		nominal	25 mm ²	
	wire end ferrule	Stripping length	min.	11 mm
			max.	11 mm
			nominal	11 mm
		Tightening torque	min.	2 Nm
			max.	2,5 Nm
	Recommended wire-end ferrule			
	Cross-section for conductor connection	Type	stranded, H07V-R	
		min.	1,5 mm ²	
		max.	25 mm ²	
		nominal	25 mm ²	
	wire end ferrule	Stripping length	min.	11 mm
			max.	11 mm
			nominal	11 mm
		Tightening torque	min.	2 Nm
			max.	2,5 Nm
	Recommended wire-end ferrule			
	Cross-section for conductor connection	Type	flexible, H05(07) V-K	
		min.	1,5 mm ²	
		max.	25 mm ²	
		nominal	25 mm ²	
	wire end ferrule	Stripping length	min.	11 mm
			max.	11 mm
			nominal	11 mm
		Tightening torque	min.	2 Nm
			max.	2,5 Nm
	Recommended wire-end ferrule			
Clamping range, max.	25 mm ²			
Clamping range, min.	1,5 mm ²			
Connection cross-section, stranded, max.	25 mm ²			
Connection cross-section, stranded, min.	1,5 mm ²			
Connection direction	on side			
Number of connections	2			
Stripping length	11 mm			
Tightening torque, max.	2,5 Nm			
Tightening torque, min.	2 Nm			
Type of connection	Screw connection			
Wire connection cross section AWG, max.	AWG 4			
Wire connection cross section AWG, min.	AWG 18			
Wire connection cross section, finely stranded, max.	25 mm ²			
Wire connection cross section, finely stranded, min.	1,5 mm ²			

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	25 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1,5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	25 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1,5 mm ²
Wire connection cross-section, solid core, max.	25 mm ²
Wire connection cross-section, solid core, min.	1,5 mm ²

Fuse terminals

Current for fuse with semiconductor protection	25 A	Permitted power loss for fuse with semiconductor protection	4.300000 W/ 10.000000 mm ² / 25.000000 A/
Permitted power loss for the standard fuse variants	3 W	Power loss for fuse with semiconductor protection	4,3 W
Power loss, 1-pole	0,3 W	Power loss, 1-pole ; 2-pole ; 3-pole	0.300000 W/ 0.600000 W/ 0.900000 W/
Power loss, 2-pole	0,6 W	Power loss, 3-pole	0,9 W
Wire cross-section for fuse with semiconductor protection	10 mm ²		

General

Rail	TS 35	Standards	IEC 60269-1
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 18

Rating data

Rated cross-section	25 mm ²	Rated voltage	1 000 V
Rated voltage to adjoining terminal	1 000 V	Rated DC voltage	1 000 V DC
Rated current	30 A	Current at maximum wires	30 A
Standards	IEC 60269-1	Volume resistance according to IEC 60947-7-x	0,32 mΩ
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	3,23 W
Pollution severity	3		

UL rating data

Certificate No. (UL)	E355388
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Classifications

ETIM 6.0	EC000899	ETIM 7.0	EC000899
ETIM 8.0	EC000899	ECLASS 9.0	27-14-11-16
ECLASS 9.1	27-14-11-16	ECLASS 10.0	27-14-11-16
ECLASS 11.0	27-14-11-16	ECLASS 12.0	27-14-11-16

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Important note

Product information The clamping points must be checked depending on the operating conditions. For normal environmental conditions and load cases, we recommend checking at intervals of 6 months. With unfavourable operating conditions or frequent temperature changes at the clamping points, a shorter interval may be necessary.

Approvals

Approvals



ROHS	Conform
UL File Number Search	E355388

Downloads

Approval/Certificate/Document of Conformity	EAC certificate UKCA Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Zeichnungen

