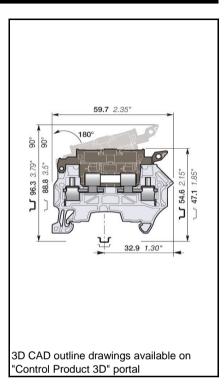
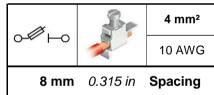
Technical Datasheet 1SNK161011D0201 Catalogue Page 1SNK161011S0201

ZS4-SF1 Screw Clamp Terminal Blocks For 5 x 20 and 5 x 25 fuses

- Protect your circuit with 5x25 and 5x20 fuse terminal blocks, compliant with IEC 60947-7-3 standard (fuse not supplied with the terminal blocks).







Ordering Details

Color	Type	Order Code	EAN Code	Pack ^(ing)	Weight
					(1 pce) g
Grey, Dark Grey	ZS4-SF1	1SNK508410R0000	3472595084104	50	13.30
Orange, Dark Grey Orange, Dark G	^{ey} ZS4-SF1-OR	1SNK508430R0000	3472595084104	50	13.3
Orange, Dark Orey	204 01 1-010	1014100043010000	3472333004104	30	10.0

Declarations and Certificates

C €	CB	RoHS RoHS	c FLI us USR CNR		(P	Gost R		
		BV	Rina	Ø DNV			_	



Declarations and Certificates

C€	CE	1SND225098C10*
EC 255	СВ	1SND161030A02*
RoHS RoHS	RoHS	1SND230491F02*
LISA CVA	USR CNR	1SND161040A02*
®	CSA	1SND161070A02*
€C Gi3 F	GOST R	1SND161005A11*
**************************************	BV	1SND161073A02*
Bhs	RINA	1SND161088A02*
GRV	DNV	1SND161087A02*

General Information

The following information mu	st be strictly adhered	to in order to gua	arantee the termin	nal block electrica	al, mechanica	I and environmental	performance.	
Protection	IEC 60947-1	IP20		NEMA 1				
Rail	TH35-7.5, TH35-15	TH35-7.5, TH	35-15					
Wire stripping length		11 mm	0.433 in					
		Screw clamp		Screw rail co	ntact	Disconnect of	device	
				(Maximum va	alue)			
Operating tool		Flat screwdriv	/er					
		3.5 mm	0.138 in					
Torque	6	0.6 N.m	5.31 lb.in					
		± 0.1 N.m	± 0.885 lb.in					

Material Specifications

Insulating material		Polyamide
СТІ		600 V
Flammability	UL94	V0
	NF F 16101	I2F2
	Needle flame test: C 60615-11-5	Compliant

	_				
Connecting capacity per clan	np	Screw	clamp		
1 Rigid - Solid / Stranded conductor	Norme	IEC60947-7-3	UL1059		
Rigid - Solid / Stranded conductor	Value	0.2 4 mm²	24 10 AWG		
1 Flexible conductor	Norme	IEC60947-7-3			
I Flexible colludation	Value	0.22 4 mm²			
1 Flexible conductor with non	Norme	Manufacturer data	Manufacturer data		
insulated ferrule	Value	0.22 4 mm ²	24 12 AWG		
1 Flexible conductor with insulated	Norme	Manufacturer data	Manufacturer data		
ferrule	Value	0.22 4 mm²	24 12 AWG		
Gauge		A3-B3	3 mm		
Gauge		IEC 60947-1	0.118 in		
Ferrule maximum outer diameter or co insulation maximum outer diameter	nductor	Ø Max.	Manufacturer data	5.5 mm	0.216 in

The "Connecting capacity with ferrule" data is guaranteed with ABB crimping tool PS-3 (crimping capacity up to 10 mm²).

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Multi Connecting capacity per clamp

2 Rigid - Solid / Stranded	Norme	IEC60947-7-3	UL1059	
conductors	Value	0.2 1.5 mm ²	24 16 AWG	
2 Flexible conductors	Norme	IEC60947-7-3		
2 Flexible conductors	Value	0.2 1.5 mm ²		
2 Flexible conductors with twin	Norme	Manufacturer data	Manufacturer data	
ferrule	Value	0.22 1.5 mm ²	24 16 AWG	

Don't mix solid and flexible conductors in the same clamp

Don't mix solid or flexible conductors of different sizes in the same clamp

The "Connecting capacity with ferrule" data is guaranteed with ABB crimping tool PS-3 (crimping capacity up to 10 mm²)

Cross section

Rated cross section	IEC60947-7-3 4 mm	nm² UL1059	10 AWG
Maximum Cross section	Manufacturer data 4 mn	nm² Manufacturer data	10 AWG

Electrical characteristics Current

Rated current			IEC60947-7-3	6.3 A	
	Field and factory wiring Cat.2		UL 1059	10 A	
	Factory wiring Cat.1		UL 1059	10 A	
			CSA-C-22.2 n°158	6.3 A	
Maximum Exe current			IEC/EN 60079-7		
Rated short-time withstand current 1 s (Icw)			IEC60947-7-3		
Short-time withstand current		0.5 s	Manufacturer data		
		5 s	Manufacturer data		
		10 s	Manufacturer data		
		30 s	Manufacturer data		
		1 min	Manufacturer data		
Rated short-circuit withstand current			UL 1059		
Max. current (45° temperature increase) / Max	x. cross section (mm²)		Manufacturer data	6.3 A	4 mm ²
Maximum short circuit current (1s)			Manufacturer data		

Short Circuit Current Rating (SCCR) SA UL 1059 supplement

SCCR		UL 1059	
With the following configurations:			
	Suitable conductor wire range		
	Maximum voltage		
	Fuse class / Max. amp. Rating	J	
		Т	
		RK1	
		RK5	
		G	
		CC	

Voltage

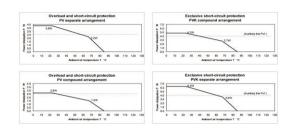
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Rated voltage	IEC 60947-1	630 V
Rated voltage	UL 1059	300 V
Use Group	UL 1059	B, C, D
Rated voltage	CSA-C-22.2 n°158	300 V
Rated voltage Ex e	IEC/ EN 60079-7	
Rated impulse withstand voltage	IEC 60947-1	8000 V
Dielectric test voltage	IEC 60947-1	2200 V
Pollution degree	IEC 60947-1	3
Overvoltage category	IEC 60947-1	III

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Temperature range

Ambient temperature min/max	Storage	-55 +110 °C	-67 +230 °F
	Installing	-5 +40 °C	-23 +104 °F
	Service	-55 +110 °C	-67 +230 °F

Current Derating curve for continuous service temperature



Dissipated power

Maximum dissipated power at rated current	IEC 60947-1	
Maximum dissipated power at maximum Exe current	IEC 60079-7	_

Rated power dissipation at an ambient temperature of 23 °C - IEC 60947-7-3

Separate arrangement / Overload and short-circuit protection		2.5
Separate arrangement / Exclusive short-circuit protection		4
Compound arrangement / Overload and short-circuit protection		1.6
Compound arrangement / Exclusive short-circuit protection		4

Environmental Characteristics Additional climatic tests

Dry heat		IEC 60068-2 2 Compliant	
	Conditions	Temperature +100 °C	
		Duration of test 96 h	
Cyclic damp heat		IEC 60068-2 30 Compliant	
	Conditions	Temperature +55 °C	
		Relative humidity	
		Number of cycles (1 cycle = 24h) 2	
Cold		IEC 60068-2 1 Compliant	
	Conditions	Temperature -40 °C	
		Duration of test 96 h	
Damp heat steady state		IEC 60068-2-78	
	Conditions	Temperature	
		Relative humidity	
		Duration of test	

Corrosion

Salt mist		IEC 60068-2 11 C	Compliant
	Conditions	Duration of test 9	06 h
		Concentration 5	5 %
SO2		ISO 6988 C	Compliant
	Conditions	Duration of test 4	ŀ8 h
		Concentration 0).2 dm³
Flowing mixed gas corrosion test		IEC 60068-2 60	
	Conditions	Number of the test method	
		Duration of test	

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Vibrations and shocks

Sinusoidal vibrations		IEC 60068-2-6 Compliant
	Conditions	Frequency range 10 55 Hz
		Number of cycles 10
		Acceleration 10 m/s²
Functional random vibrations		IEC 61373
Category 1 Class B 3 axes	Conditions	Duration of test
		Frequency range
		Acceleration
Long life testing at increased random vibrations		IEC 61373
Category 1 Class B 3 axes	Conditions	Duration of test
		Frequency range
		Acceleration
Shock		IEC 61373
Category 1 Class B 3 axes	Conditions	Duration of test
		Acceleration

ZS4-SF1 Terminal Block Accessories Compatibility

Some accessories may modify the terminal block's rating. See complete information in the accessories catalog page.

Description	Туре	Order Code	Pack ^(ing)	Weight	
			pieces	g (1 pce)	
1 End Stops	BAM3	1SNK900001R0000	50	13.80	
	BAZ1	1SNK900002R0000	20	5.30	
2 End Sections	ES4-SF	1SNK508960R0000	20	1.82	
3 Lateral Jumper Bars	PC81-10	1SNA173523R1100	10	5.00	
4 Fuses	FU520	1SNA008288R1500	10		
	FU520	1SNA008289R1600	10		
	FU520	1SNA008290R1300	10		
	FU520	1SNA008291R0000	10		
	FU520	1SNA008292R0100	10		
	FU525	1SNA167546R2200	10		
	FU525	1SNA167547R2300	10		
	FU525	1SNA167548R0400	10		
	FU525	1SNA167549R0500	10		
	FU525	1SNA167550R0200	10		
5 Assembly Rods	TGA8	1SNA168672R1100	10	1.00	
	TGA8	1SNA168673R1200	10		
	TGA8	1SNA168674R1300	10		
6 Protecting Cover Kits	КСО	1SNK900624R0000	1	47.80	
7 Protecting Covers	СО	1SNK900604R0000	1	300.00	
8 Mounting Rails	PR3.G2	1SNA164800R0300	2		
-	PR4	1SNA168500R1200	2	915.00	
	PR5	1SNA168700R2200	2		
	PR30	1SNA173220R0500	2	328.00	
	PR3.Z2	1SNA174300R1700	2		
9 Spring Retaining Rings	ANT	1SNA168675R1400	10		
10 Tools	PS-3	1SNK900650R0000	1	380.00	
11 Terminal Block Markers	MC812	1SNK160000R0000	22	10.00	
	MC812-YL	1SNK160004R0000	22	10.00	
	MC812PA	1SNK169999R0000	20	14.00	
	UMH	1SNK900611R0000	10	0.20	
	PROCAP8	1SNK900613R0000	20	1.00	
	SAT8	1SNK900616R0000	5	6.00	
12 Screw Clamp Terminal Blo		1SNK508410R0000	50	13.30	
2.2 3.1 2.2.1p . 2.2.1				13.33	

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