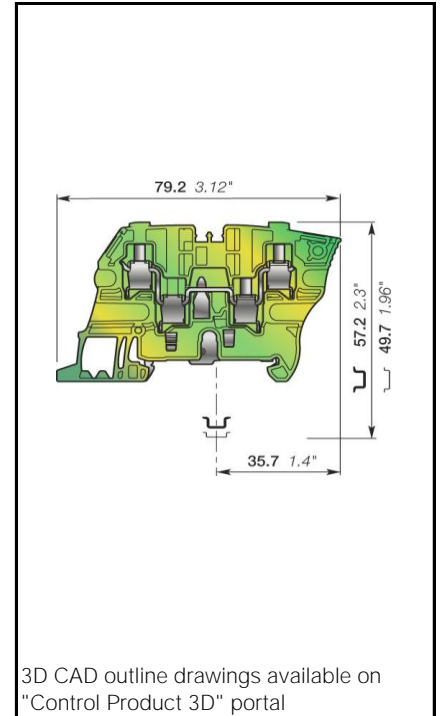
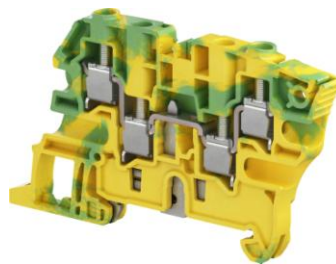


ZS6-4S-PE Screw Clamp Terminal Blocks Ground with 4 connections

- Improve the safety of your installation in the event of a short-circuit thanks to our screwless rail contact: rail contact non operator dependent, secured snap on or off the rail,
- Same profile as ZS6-4S for aligned marking and identical end section.



		6 mm ²
		10 AWG
6 mm 0.236 in Spacing		

Ordering Details

Color	Type	Order Code	EAN Code	Pack ^(ing)	Weight (1 pce) g
Green-yellow	ZS6-4S-PE	1SNK506152R0000	3472595061525	25	19.4

Declarations and Certificates

CE	CB	RoHS	USR		Gost R	ATEX	IECEX
							ATEX Declaration

Declarations and Certificates





	CE	1SND225094C10*
	CB	1SND161098A02*
	RoHs	1SND230491F02*
	USR	1SND161041A02*
	CSA	1SND161070A02*
	GOST R	1SND161005A11*
	ATEX	1SND162004A17*
	IECEX	1SND162005A17*
	BV	1SND161073A02*
Atex Declaration	Atex Declaration	1SND225085C10*

Explosive Atmosphere: ATEX Classification

Group Category	Protection Method
IM2 II 2 GD Ex eb I/II/IIIC	Ex e: increased security
In the presence of explosive dust atmosphere, terminal blocks are to be installed in certified enclosure II 2D	

General Information

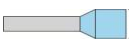
The following information must be strictly adhered to in order to guarantee the terminal block electrical, mechanical and environmental performance.

Protection	IEC 60947-1	IP20	NEMA250				
Rail		TH 35-7.5, TH 35-15					
Wire stripping length		10.5 mm	0.413 in				
		Screw clamp		Screw rail contact (Maximum value)		Disconnect device	
Operating tool		Flat screwdriver					
		4 mm	0.157 in				
Torque		0.75 N.m ± 0.05 N.m	6.64 lb.in ± 0.44 lb.in				

Material Specifications

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

Connecting capacity per clamp

		Screw clamp		
1 Rigid - Solid / Stranded conductor	Norme	IEC60947-7-2	UL1059	
	Value	0.2 ... 6 mm ²	24 ... 10 AWG	
1 Flexible conductor	Norme	IEC60947-7-2		
	Value	0.22... 6 mm ²		
1 Flexible conductor with non insulated ferrule	Norme	Manufacturer data	Manufacturer data	
	Value	0.22 ... 4 mm ²	24 ... 12 AWG	
1 Flexible conductor with insulated ferrule	Norme	Manufacturer data	Manufacturer data	
	Value	0.22 ... 4 mm ²	24 ... 12 AWG	
Gauge		A4-B3	3 mm	
		IEC 60947-1		
Ferrule maximum outer diameter or conductor insulation maximum outer diameter		Manufacturer data	5.5 mm	

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

As part of its on-going product improvement, ABB reserves the right to modify the characteristics or the products described in this document. The information given is not contractual. For further details please contact the ABB company marketing these products in your country.

Multi Connecting capacity per clamp

2 Rigid - Solid / Stranded conductors	Norme			
	Value			
2 Flexible conductors	Norme			
	Value			
2 Flexible conductors with twin ferrule	Norme			
	Value			

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	IEC60947-7-2	4 mm ²	UL1059	10 AWG
Maximum Cross section	Manufacturer data	6 mm ²	Manufacturer data	10 AWG

Electrical characteristics

Current

Rated current	IEC60947-7-2	
	Field and factory wiring Cat.2	UL 1059
	Factory wiring Cat.1	UL 1059
	CSA-C-22.2 n°158	
Maximum Exe current	IEC/EN 60079-7	
Rated short-time withstand current 1 s (I _{cw})	IEC60947-7-2	480 A
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	CSA-C-22.2 n°158	
Max. current (45° temperature increase) / Max. cross section (mm ²)	Manufacturer data	6 mm ²
Maximum short circuit current (1s)	Manufacturer data	480 A

Short Circuit Current Rating (SCCR) SA UL 1059 supplement

SCCR	UL 1059	100 kA
With the following configurations:		
Suitable conductor wire range		
Maximum voltage		
Fuse class / Max. amp. Rating	J	
	T	
	RK1	
	RK5	
	G	
	CC	

Voltage

Rated voltage	IEC 60947-1	
Rated voltage	UL 1059	
Use Group	UL 1059	B, C
Rated voltage	CSA-C-22.2 n°158	
Rated voltage Ex e	IEC/ EN 60079-7	500 V
Rated impulse withstand voltage	IEC 60947-1	8000 V
Dielectric test voltage	IEC 60947-1	2000 V
Pollution degree	IEC 60947-1	3
Overvoltage category	IEC 60947-1	III

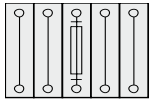
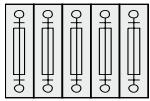
Temperature range

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

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	 1 fuse and 4 feed-through blocks	
Separate arrangement / Exclusive short-circuit protection		
Compound arrangement / Overload and short-circuit protection	 5 fuse blocks	
Compound arrangement / Exclusive short-circuit protection		

Environmental Characteristics

Additional climatic tests

Dry heat		IEC 60068-2 2	Compliant
	Conditions	Temperature	110 °C
		Duration of test	96 h
Cyclic damp heat		IEC 60068-2 30	Compliant
	Conditions	Temperature	55 °C
		Relative humidity	95 %
		Number of cycles (1 cycle = 24h)	2
Cold		IEC 60068-2 1	Compliant
	Conditions	Temperature	-55 °C
		Duration of test	96 h
Damp heat steady state		IEC 60068-2-78	Compliant
	Conditions	Temperature	40 °C
		Relative humidity	93 %
		Duration of test	96 h

Corrosion

Salt mist		IEC 60068-2 11	Compliant
	Conditions	Duration of test	96 h
		Concentration	5 %
SO ₂		ISO 6988	Compliant
	Conditions	Duration of test	48 h
		Concentration	0.2 dm ³
Flowing mixed gas corrosion test		IEC 60068-2 60	Compliant
	Conditions	Number of the test method	3
		Duration of test	21 j

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