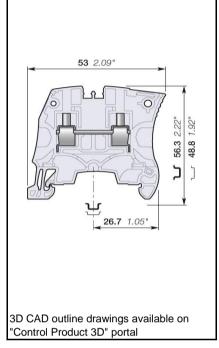
Catalogue Page 1S

1SNK161008S0201

ZS6 Screw Clamp Terminal Blocks Feed-through

Save space by connecting conductors up to 6 mm² (CB certified) 10 AWG in just 6 mm 0.236 in spacing.







Ordering Details

Color		Туре	Order Code	EAN Code	Pack ^(ing)	Weight
						(1 pce) g
Grey		ZS6	1SNK506010R0000	3472595060108	50	10.64
Blue	19	ZS6-BL	1SNK506020R0000	3472595060207	50	10.64
Orange		ZS6-OR	1SNK506030R0000	3472595060306	50	10.64
Yellow		ZS6-YL	1SNK506060R0000	3472595060603	50	10.64
Green		ZS6-GN	1SNK506061R0000	3472595060610	50	10.64
Red		ZS6-RD	1SNK506062R0000	3472595060627	50	10.64
Purple		ZS6-PR	1SNK506063R0000	3472595060634	50	10.64
Brown		ZS6-BR	1SNK506064R0000	3472595060641	50	10.64
White		ZS6-WH	1SNK506065R0000	3472595060658	50	10.64
Black		ZS6-BK	1SNK506066R0000	3472595060665	50	10.64

Declarations and Certificates

CE CE		RoHS RoHS	C AU us USR CNR	(SP)	Gost R	Æx ATEX	IECEx IECEx	
BR-Ex e II	c RU us Haz Loc	BV	Rina		ATEX Declaration			





C€ c⁻	CE	1SND225081C10*
IEC Inter CB	СВ	1SND161025A02*
RoHS BoHS	RoHS	1SND230491F02*
C SALes USR CNR	USR CNR	1SND161040A02*
(f)	CSA	1SND161070A02*
C Gost R	GOST R	1SND161005A11*
(Ex) ATEX	ATEX	1SND162004A17*
IECEx IECEx	IECEx	1SND162005A17*
R-Exell	BR-Ex e II	1SND161042A02*
c ALus Haz Loc	USR CNR Haz Loc	1SND161047A02*
0 EV	BV	1SND161073A02*
80 Bina	RINA	1SND161088A02*
() DNV	DNV	1SND161087A02*
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	e strictly adhered	to in order to gua	rantee the termin	al block electrica	l, mechanical and	l environmental p	erformance.	
Protection	IEC 60947-1	IP20		NEMA 1				
Rail	TH35-7.5, TH35-15	TH35-7.5, TH	35-15					
Wire stripping length		10.5 mm	0.413 in					

		Screw clamp		Screw rail con (Maximum val	Disconnect de	vice	
Operating tool		Flat screwdriv	er				
	\bigcirc	4 mm	0.157 in				
Torque	6	0.85 N.m	7.52 lb.in				
	\bigcirc	± 0.15 N.m	± 1.33 lb.in				

Material Specifications

Insulating material		Polyamide
CTI		600 V
Flammability	UL94	VO
	NF F 16101	12F2

Needle flame test C 60615-11-5 Compliant

Connecting capacity per clam	р	Screw	clamp		
1 Rigid - Solid / Stranded conductor	Norme	IEC60947-7-1	UL1059		
	Value	0.2 6 mm ²	24 10 AWG		
1 Flexible conductor -	Norme	IEC60947-7-1			
	Value	0.2 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	Norme	Manufacturer data	Manufacturer data		
ferrule	Value	0.22 4 mm ²	24 12 AWG		
Gauge		A4-B3	3 mm		
Gauge		IEC 60947-1	0.118 in		
Ferrule maximum outer diameter or cor insulation maximum outer diameter	nductor	Ø Max.	Manufacturer data	5.5 mm	0.216 in
	I		I I		I

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	Norme	IEC60947-7-1	UL1059	
conductors	Value	0.2 2.5 mm ²	24 14 AWG	
2 Flexible conductors	Norme	IEC60947-7-1		
	Value	0.2 2.5 mm ²		
2 Flexible conductors with twin	Norme	Manufacturer data	Manufacturer data	
ferrule	Value	0.22 2.5 mm ²	24 14 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	IEC60947-7-1 6 mm ²	UL1059	10 AWG
Maximum Cross section	Manufacturer data 6 mm ²	Manufacturer data	10 AWG

Electrical characteristics

Current

Rated current			IEC60947-7-1	41 A	
	Field and factory wiring Cat.2		UL 1059	30 A	
	Factory wiring Cat.1		UL 1059	30 A	
			CSA-C-22.2 n°158	30 A	
Maximum Exe current			IEC/EN 60079-7	41 A	
Rated short-time withstand current 1 s (Icw)			IEC60947-7-1	720 A	
Short-time withstand current		0.5 s	Manufacturer data	1845 A	
		5 s	Manufacturer data	574 A	
		10 s	Manufacturer data	410 A	
		30 s	Manufacturer data	205 A	
		1 min	Manufacturer data	164 A	
Rated short-circuit withstand current			CSA-C-22.2 n°158		
Max. current (45° temperature increase) / Max	. cross section (mm ²)		Manufacturer data	41 A	6 mm²
Maximum short circuit current (1s)			Manufacturer data	720 A	

Maximum short circuit current (1s)		Manufacturer data	720 A
Short Circuit Current Rating (S	CCR) SA UL 1059 supplement		
SCCR		UL 1059	100 kA
With the following configurations:			
	Suitable conductor wire range		14 10 AWG
	Maximum voltage		600 V
	Fuse class / Max. amp. Rating	J	110 A
		Т	110 A
		RK1	100 A
		RK5	30 A
		G	60 A
		CC	30 A

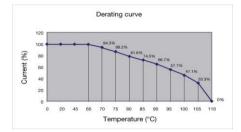
Voltage	
Rated voltage	IEC 60947-1 1000 V
Rated voltage	UL 1059 600 V
Use Group	UL 1059 B, C
Rated voltage	CSA-C-22.2 n°158 600 V
Rated voltage Ex e	IEC/ EN 60079-7 630 V
Rated impulse withstand voltage	IEC 60947-1 8000 V
Dielectric test voltage	IEC 60947-1 2200 V
Pollution degree	IEC 60947-1 3
Overvoltage category	IEC 60947-1 III

As part of its on-going product improvement, ABB reserves the right to modify the characteristics or the products described in this document.

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

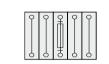


Dissipated power

Maximum dissipated power at rated current	IEC 60947-1 1.3 W
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
/ Separate arrangement Exclusive short-circuit protection
/ Compound arrangement Overload and short-circuit protection
Compound arrangement / Exclusive short-circuit protection



1 fuse and 4 feed-through blocks



5 fuse blocks

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	Compliant
	Conditions	Duration of test	96 h
		Concentration	5 %
SO2		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 ј

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.

Vibrations and shocks

Sinusoidal vibrations		IEC 60068-2-6	Compliant
	Conditions	Frequency range	10 55 Hz
		Number of cycles	10
		Acceleration	10 m/s ²
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	

ZS6 Terminal Block Accessories Compatibility

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

 End Stops End Sections Jumper Bars Jumper Bars Circuit Separa Test Adapters Test Connect Spacers Protecting Co 	3	BAM3 BAZ1 ES4 JB6-2 JB6-3 JB6-4 JB6-5 JB6-10 JB6-50 CS CS-R1 TP2	1SNK900001R0000 1SNK900002R0000 1SNK505910R0000 1SNK906302R0000 1SNK906303R0000 1SNK906305R0000 1SNK906310R0000 1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	pieces 50 20 50 50 50 50 50 50 20 20 20 20 20 10 20	g (1 pce) 13.80 5.30 2.18 1.30 2.10 2.10 2.90 3.60 7.40 38.10 0.20 0.20	
 2 End Sections 3 Jumper Bars 4 Circuit Separa 5 Test Adapters 6 Test Connect 7 Spacers 	3	BAZ1 ES4 JB6-2 JB6-3 JB6-4 JB6-5 JB6-10 JB6-50 CS CS-R1 TP2	1SNK900002R0000 1SNK505910R0000 1SNK906302R0000 1SNK906303R0000 1SNK906304R0000 1SNK906305R0000 1SNK906310R0000 1SNK906350R0000 1SNK906350R0000 1SNK900101R0000	20 20 50 50 50 50 20 10 20	5.30 2.18 1.30 2.10 2.90 3.60 7.40 38.10	
 Jumper Bars Jumper Bars Circuit Separa Test Adapters Test Connect Spacers 	3	ES4 JB6-2 JB6-3 JB6-4 JB6-5 JB6-10 JB6-50 CS CS-R1 TP2	1SNK505910R0000 1SNK906302R0000 1SNK906303R0000 1SNK906304R0000 1SNK906305R0000 1SNK906310R0000 1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	20 50 50 50 50 20 10 20	2.18 1.30 2.10 2.90 3.60 7.40 38.10	
 Jumper Bars Jumper Bars Circuit Separa Test Adapters Test Connect Spacers 	3	JB6-2 JB6-3 JB6-4 JB6-5 JB6-10 JB6-50 CS CS-R1 TP2	1SNK906302R0000 1SNK906303R0000 1SNK906304R0000 1SNK906305R0000 1SNK906310R0000 1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	50 50 50 20 10 20	1.30 2.10 2.90 3.60 7.40 38.10	
 4 Circuit Separa 5 Test Adapters 6 Test Connect 7 Spacers 	3	JB6-3 JB6-4 JB6-5 JB6-10 JB6-50 CS CS-R1 TP2	1SNK906303R0000 1SNK906304R0000 1SNK906305R0000 1SNK906310R0000 1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	50 50 50 20 10 20	2.10 2.90 3.60 7.40 38.10	
5 Test Adapters6 Test Connect7 Spacers	3	JB6-4 JB6-5 JB6-10 JB6-50 CS CS-R1 TP2	1SNK906304R0000 1SNK906305R0000 1SNK906310R0000 1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	50 50 20 10 20	2.90 3.60 7.40 38.10	
5 Test Adapters6 Test Connect7 Spacers	3	JB6-5 JB6-10 JB6-50 CS CS-R1 TP2	1SNK906305R0000 1SNK906310R0000 1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	50 20 10 20	3.60 7.40 38.10	
5 Test Adapters6 Test Connect7 Spacers	3	JB6-10 JB6-50 CS CS-R1 TP2	1SNK906310R0000 1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	20 10 20	7.40 38.10	
5 Test Adapters6 Test Connect7 Spacers	3	JB6-50 CS CS-R1 TP2	1SNK906350R0000 1SNK900101R0000 1SNK900103R0000	10 20	38.10	
5 Test Adapters6 Test Connect7 Spacers	3	CS CS-R1 TP2	1SNK900101R0000 1SNK900103R0000	20		
5 Test Adapters6 Test Connect7 Spacers	3	CS-R1 TP2	1SNK900103R0000		0.20	
6 Test Connect 7 Spacers		TP2				
6 Test Connect 7 Spacers				20	5.20	
7 Spacers	ors		1SNK900203R0000	20	1.73	
7 Spacers	ors	TP4	1SNK900205R0000	20	2.41	
		TC5-R1	1SNK900201R0000	10	5.23	
8 Protecting Co		ES-TC6	1SNK900105R0000	10	0.80	
		KCO	1SNK900624R0000	1	47.80	
9 Shield Conne		SHBS	1SNK900600R0000	20	3.50	
10 Protecting Co	vers	CO	1SNK900604R0000	1	300.00	
	PL6	1SNK900619R0000	10	1.84		
11 Mounting Rails	PR3.G2	1SNA164800R0300	2			
	PR4	1SNA168500R1200	2	915.00		
	PR5	1SNA168700R2200	2			
		PR30	1SNA173220R0500	2	328.00	
		PR3.Z2	1SNA174300R1700	2		
12 Tools		PS-3	1SNK900650R0000	1	380.00	
13 Terminal Block Markers	MC612	1SNK150000R0000	22	10.00		
	MC612-YL	1SNK150004R0000	22	10.00		
		MC612PA	1SNK159999R0000	20	11.00	
		UMH	1SNK900611R0000	10	0.20	
		PROCAP6	1SNK900612R0000	20	0.78	
		SAT6	1SNK900615R0000	5	6.00	
14 Screw Clamp	Terminal Block	s ZS6	1SNK506010R0000	50	10.64	

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.

Contact us

ABB France Low Voltage Products Division Export Department

10, rue Ampère Z.I. - B.P. 114 F-69685 Chassieu cedex / France Tel. +33 (0)4 7222 1722 Fax +33 (0)4 7222 1935

Note

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.

Copyright© 2011 ABB All rights reserved





X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for entrelec manufacturer:

Other Similar products are found below :

 023103024
 023000107
 ISNK505310R0000
 017322627
 011762822
 016511417
 016340320
 ISNK516020R0000
 023300421

 ISNK510010R0000
 018731214
 011870703
 010500220
 011511607
 023300227
 016049626
 017666704
 ISNK508411R0000
 023300320

 016548827
 023300001
 012511813
 017301610
 011546820
 010500127