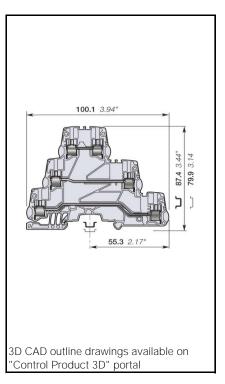
Technical Datasheet 1SNK161078D0201 Catalogue Page 1SNK161072S0201

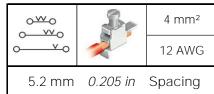
ZS4-T3 Screw Clamp Terminal Blocks Triple deck with 3 feed-through circuits

Save space: 3 independent circuits in just 5.2 mm 0.205 in spacing,

- Fit many applications: space constraints, multiple signals distribution, sensors distribution, thanks to the jumper channels available on each deck.







Ordering Details

Color	Type	Order Code	EAN Code	Pack ^(ing)	Weight
					(1 pce) g
Grey	ZS4-T3	1SNK505212R0000	3472595052127	25	24.4

Declarations and Certificates

CE CE	CB	RoHS RoHS	SU USR	(5)	Gost R		
		(O) BV					



Declarations and Certificates

C€	CE	1SND225081C10*
ICC RES	СВ	1SND161095A02*
RoHS RoHS	RoHs	1SND230491F02*
FLI USR	USR	1SND161041A02*
®	CSA	1SND161070A02*
Gost R	GOST R	1SND161005A11*
® BV	BV	1SND161073A02*

General Information

General information								
The following information must b	e strictly adhered	I to in order to gu	arantee the termi	nal block electric	al, mechanical a	nd environmental	performance.	
Protection	IEC 60947-1	IP20	NEMA250					
Rail	<u></u>	TH 35-7.5, TH 35-15						
Wire stripping length		10.5 mm	0.413 in					
		Screw clamp		Screw rail cor		Disconnect de	evice	
Operating tool		Flat screwdriv	/er	,	•			
		3.5 mm	0.138 in					
Torque	Ó	0.6 N.m	5.31 lb.in					
		± 0.1 N.m	± 0.885 lb.in					

Material Specifications

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

Connecting capacity per clam	np	Screw	clamp		
1 Digid Colid / Stronded conductor	Norme	IEC60947-7-1	UL1059		
1 Rigid - Solid / Stranded conductor -	Value	0.2 4 mm²	24 12 AWG		
1 Flexible conductor -	Norme	IEC60947-7-1			
Flexible Collductor -	Value	0.22 4 mm²			
1 Flexible conductor with non	Norme	Manufacturer data	Manufacturer data		
insulated ferrule	Value	0.22 4 mm²	24 12 AWG		
1 Flexible conductor with insulated	Norme	Manufacturer data	Manufacturer data		
errule	Value	0.22 2.5 mm ²	24 14 AWG		
Cours		A3-B3	3 mm		
Gauge		IEC 60947-1			
Ferrule maximum outer diameter or cor insulation maximum outer diameter	nductor	Ø Max.	Manufacturer data	4.7 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	Norme	IEC60947-7-1	UL1059	
conductors	Value	0.2 1.5 mm ²	24 16 AWG	
2 Flexible conductors	Norme	IEC60947-7-1		
2 Flexible colludctors	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	IEC60947-7-1	4 mm²	UL1059	12 AWG
Maximum Cross section	Manufacturer data	4 mm²	Manufacturer data	12 AWG

Electrical characteristics Current

Rated current			IEC60947-7-1	32 A	
	Field and factory wiring Cat.2		UL 1059	20 A	
	Factory wiring Cat.1		UL 1059		
			CSA-C-22.2 n°158	20 A	
Maximum Exe current			IEC/EN 60079-7		
Rated short-time withstand current 1 s (Icw)			IEC60947-7-1	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		Manufacturer data	32 A	4 mm ²	
Maximum short circuit current (1s)			Manufacturer data	480 A	-

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	

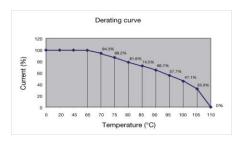
Voltage

IEC 60947-1 UL 1059 UL 1059	300 V
UL 1059	
	B, C, D
CSA-C-22.2 n°158	300 V
IEC/ EN 60079-7	
IEC 60947-1	8000 V
IEC 60947-1	2000 V
IEC 60947-1	3
IEC 60947-1	III
	IEC 60947-1 IEC 60947-1 IEC 60947-1

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 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	

Environmental Characteristics Additional climatic tests

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

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Vibrations and shocks

Sinusoidal vibrations		IEC 60068-2-6 Compliant
	Conditions	Frequency range 5 100 Hz
		Number of cycles 1
		Acceleration 7 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

ZS4-T3 Terminal Block Accessories Compatibility

Some accessories may	/ modif	v 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	BAZH1	1SNK900102R0000	20	23.90	
2	End Sections	ES4-T3	1SNK505961R0000	20	4.2	
3	Jumper Bars	JB5-2	1SNK905302R0000	50	1.30	
		JB5-3	1SNK905303R0000	50	2.00	
		JB5-4	1SNK905304R0000	50	2.70	
		JB5-5	1SNK905305R0000	50	3.50	
		JB5-10	1SNK905310R0000	30	7.10	
		JB5-50	1SNK905350R0000	10	36.10	
4	Test Adapters	TP2	1SNK900203R0000	20	1.73	
	•	TP4	1SNK900205R0000	20	2.41	
5	Component Plugs	PG5-R2	1SNK900403R0000	20	8.01	
6	Mounting Rails	PR3.G2	1SNA164800R0300	2		
		PR4	1SNA168500R1200	2	915.00	
		PR5	1SNA168700R2200	2		
		PR30	1SNA173220R0500	2	328.00	
		PR3.Z2	1SNA174300R1700	2		
		PR50	1SNA178529R0400	2	1 288.00	
7	Tools	PS-3	1SNK900650R0000	1	380.00	
8	Terminal Block Markers	MC512	1SNK140000R0000	22	9.00	
		MC512-YL	1SNK140004R0000	22	9.00	
		MC512PA	1SNK149999R0000	20	10.00	
		PROCAP5	1SNK900609R0000	20	0.69	
		UMH	1SNK900611R0000	10	0.20	
		SAT5	1SNK900614R0000	5	6.00	
		SAT	1SNK900623R0000	5	6.00	
		3/(1	13111700023110000		0.00	

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