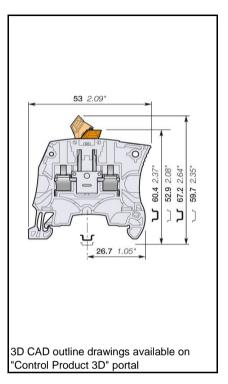
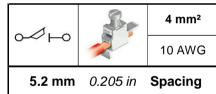
ZS4-S Screw Clamp Terminal Blocks Disconnect with blade

- Ease your disconnect operations with the disconnect blade operated by hand or with a screwdriver,
- Same profile as ZS4 feedthrough terminal block for aligned marking and identical end section use.







Ordering Details

Color	Type	Order Code	EAN Code	Pack ^(ing)	Weight
					(1 pce) g
Grey	ZS4-S	1SNK505310R0000	3472595053100	50	8.60
Blue	ZS4-S-BL	1SNK505320R0000	3472595053209	50	8.60
Orange	ZS4-S-OR	1SNK505330R0000	3472595053308	50	8.60

Declarations and Certificates

CE CE	CB	RoHS RoHS	c FLL us USR CNR		(P	C Gr Gost R		
		BV	Rina	DNV			-	



Declarations and Certificates

C€	CE	1SND225099C10*
EC 255	СВ	1SND161078A02*
RoHS RoHS	RoHS	1SND230491F02*
LISACVA	USR CNR	1SND161040A02*
®	CSA	1SND161070A02*
€C Gi3 F	GOST R	1SND161005A11*
**************************************	BV	1SND161073A02*
Bhs	RINA	1SND161088A02*
GAV	DNV	1SND161087A02*

General Information

General informatio								
The following information mu	st be strictly adhered	to in order to gua	rantee the termir	nal block electrica	l, mechanical an	d 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 cor (Maximum val		Disconnect de	evice	
Operating tool		Flat screwdriv	er					
		3.5 mm	0.138 in			3.5 mm		
Torque	6	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	V0
	NF F 16101	I2F2
	Needle flame test: C 60615-11-5	Compliant

	-				
Connecting capacity per clar	np	Screw	clamp		
1 Rigid - Solid / Stranded conductor	Norme	IEC60947-7-1	UL1059		
Rigid - Solid / Stranded conductor	Value	0.2 4 mm²	24 10 AWG		
1 Flexible conductor	Norme	IEC60947-7-1			
I Flexible colluctor	Value	0.2 4 mm²			
1 Flexible conductor with non	Norme	Manufacturer data	Manufacturer data		
insulated ferrule	Value	0.22 4 mm ²	24 10 AWG		
1 Flexible conductor with insulated	Norme	Manufacturer data	Manufacturer data		
ferrule	Value	0.22 2.5 mm ²	24 14 AWG		
Gauge		A3-B3	3 mm		
Gauge	auge		0.118 in		
Ferrule maximum outer diameter or coinsulation maximum outer diameter	nductor	Ø Max.	Manufacturer data	4.7 mm	0.185 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	IEC60947-7-1	UL1059	
conductors	Value	0.2 1.5 mm ²	24 16 AWG	
2 Flexible conductors	Norme	IEC60947-7-1		
2 Flexible Colludciols	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 mm ²	UL1059 10 AWG
Maximum Cross section	Manufacturer data 4 mm²	Manufacturer data 10 AWG

Electrical characteristics

Current		
Rated current		

Rated current			IEC60947-7-1	25 A	
	Field and factory wiring Cat.2		UL 1059	25 A	
	Factory wiring Cat.1		UL 1059	25 A	
			CSA-C-22.2 n°158		
Maximum Exe current			IEC/EN 60079-7		
Rated short-time withstand current 1 s (lcw)			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	c. cross section (mm²)		Manufacturer data	25 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	
Nith the following configurations:			
	Suitable conductor wire range		
	Maximum voltage		
	Fuse class / Max. amp. Rating	J	
		Т	
		RK1	
		RK5	
		G	
		CC	

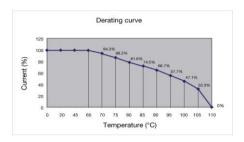
Voltage

Rated voltage	IEC 60947-1	400 \/
Rated voltage	UL 1059	150 V
Use Group	UL 1059	B, C
Rated voltage	CSA-C-22.2 n°158	150 V
Rated voltage Ex e	IEC/ EN 60079-7	
Rated impulse withstand voltage	IEC 60947-1	6000 V
Dielectric test voltage	IEC 60947-1	1890 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

Current Derating curve for continuous service temperature



Dissipated power

Maximum dissipated power at rated current	IEC 60947-1 0.8 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 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

Correcion

Salt mist	IEC 60068-2		1 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		
	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/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-S Terminal Block Accessories Compatibility

Some accessories may i	odify the terminal block's rating. See cor	implete information in the accessories catalog page.

	Description	Type Ore	Order Code	Pack ^(ing)	Pack ^(ing) Weight		
	•			pieces	g	(1 pce)	
1	End Stops	BAM3	1SNK900001R0000	50		13.80	
		BAZ1	1SNK900002R0000	20		5.30	
2	End Sections	ES4	1SNK505910R0000	20		2.18	
3	Lateral Jumper Bars	PC5-2	1SNA113542R1000	10		1.80	
_	, ,	PC5-10	1SNA113544R1200	10		6.00	
4	Circuit Separators	CS-R1	1SNK900103R0000	20		5.20	
	Protecting Cover Kits	ксо	1SNK900624R0000	1		47.80	
6	Shield Connectors	SHBS	1SNK900600R0000	20		3.50	
7	Protecting Covers	СО	1SNK900604R0000	1		300.00	
	3	PL5	1SNK900618R0000	10		1.50	
8	Mounting Rails	PR3.G2	1SNA164800R0300	2			
-	5 -	PR4	1SNA168500R1200	2		915.00	
		PR5	1SNA168700R2200	2			
		PR30	1SNA173220R0500	2		328.00	
		PR3.Z2	1SNA174300R1700	2		0_0.00	
9	Tools	PS-3	1SNK900650R0000	1		380.00	
_	Terminal Block Markers	MC512	1SNK140000R0000	22		9.00	
	remma Brook Markers	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	
11	Screw Clamp Terminal Block		1SNK505310R0000	50		8.60	
• •	Corow Clarify Terrimia Brook	(0 <u>2</u> 04 0	1011100001010000	- 00		0.00	
					-		
					\perp		
					\perp		

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