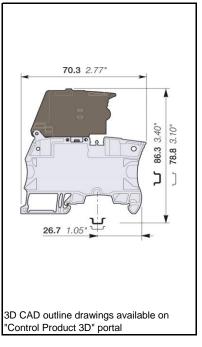
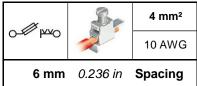
ZS4-SF Screw Clamp Terminal Blocks For 5 x 20 fuses

- Protect your circuits with 5x20 fuse terminal blocks compliant with IEC 60947-7-3 standard (fuse not supplied with the terminal blocks),
- Simplify the distribution thanks to the two jumper channels aligned with ZS4 or ZS4-R2 feed-through and ZS4-S-R1 disconnect terminal blocks.







Ordering Details

Color	Type	Order Code	EAN Code	Pack ^(ing)	Weight
					(1 pce) g
Grey, Dark Grey	ZS4-SF	1SNK506410R0000	3472595064106	50	18.60

Declarations and Certificates

C €	CB	RoHS RoHS	c 500 us USR CNR		(1)	EAC		
		® BV	Rina	DNV			-	



Declarations and C										
C €	CE						022510			
or III ag	СВ						D16102			
RoHS RoHS	RoHS						D23049			
e AV. e ukrona	USR C	NR				1SNI	D16104	I0A02*		
®	CSA						D16107			
EAC	EAC					1SNI	D16100)9A11*		
100 mg	BV					1900	D16107	73 A D 2*		
BV Birs	RINA					1011	016108	3702		
Pins.	DNV						016108			
กังัง	DINV					ISINI	710100	7/AUZ		
General Information The following information must protection Rail				nal block electric	al, mechanic	al and envi	ronmenta	performan	ce.	
The following information must Protection Rail	st be strictly adhered IEC 60947-1	IP20			al, mechanic	cal and envi	ronmenta	performan	ce.	
The following information must Protection Rail	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, T	H 35-15		al, mechanic	al and envi	ronmenta	performan	ce.	
The following information must Protection Rail Vire stripping length	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, T	H 35-15 0.412 in		ntact		ronmental		ce.	
The following information must Protection Rail Wire stripping length	st be strictly adhered IEC 60947-1	TH 35-7.5, TI	H 35-15 0.412 in	NEMA 1	ntact				ce.	
The following information must Protection Rail Wire stripping length	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, TI 10.5 mm Screw clamp	H 35-15 0.412 in	NEMA 1	ntact				Ce.	
The following information must Protection	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, The state of th	Under the state of	NEMA 1	ntact				CC.	
The following information must Protection Rail Vire stripping length	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, TI 10.5 mm Screw clamp Flat screwdri 3.5 mm	H 35-15 0.412 in ver 0.138 in	NEMA 1	ntact				Ce.	
The following information must Protection Rail Vire stripping length Operating tool	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, TI 10.5 mm Screw clamp Flat screwdri 3.5 mm 0.6 N.m	Under the state of	NEMA 1	ntact				CC.	
The following information must Protection Rail Wire stripping length	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, TI 10.5 mm Screw clamp Flat screwdri 3.5 mm 0.6 N.m	Under the state of	NEMA 1	ntact	Disc		levice	Ce.	
The following information must Protection Rail Wire stripping length Operating tool Torque	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, TI 10.5 mm Screw clamp Flat screwdri 3.5 mm 0.6 N.m	Under the state of	NEMA 1	ntact	Disc	connect c	levice	Ce.	
The following information must be following information must be retained by the following length by the stripping length by th	st be strictly adhered IEC 60947-1	IP20 TH 35-7.5, TI 10.5 mm Screw clamp Flat screwdri 3.5 mm 0.6 N.m	Under the state of	NEMA 1	ntact	Disc	Polyami	levice	Ce.	

-		W (1	1.50 "	
	Ne	edle flame test:C 60615-1	1-5 Compliant	
np _	Screw	clamp		
Norme				
Value	0.2 4 mm²	24 10 AWG		
Norme				
Value	0.22 4 mm²			
Norme	Manufacturer data	Manufacturer data		
Value	0.22 4 mm ²	24 12 AWG		
Norme	Manufacturer data	Manufacturer data		
Value	0.22 4 mm ²	24 12 AWG		
	A3-B3	3 mm		
	IEC 60947-1	0.118 in		
Ferrule maximum outer diameter or conductor insulation maximum outer diameter		Manufacturer data	5.5 mm	0.216 in
	Norme Value Norme Value Norme Value Norme Value Norme Value	Norme	Screw clamp Norme Value 0.2 4 mm² 24 10 AWG	Norme

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			
conductors	Value	0.2 1.5 mm ²	24 16 AWG	
2 Flexible conductors	Norme			
2 Flexible colluctors	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	4 mm²		10 AWG
Maximum Cross section	Manufacturer data 4 mm²	Manufacturer data	10 AWG

Electrical characteristics Current

Rated current				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)					
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	. 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

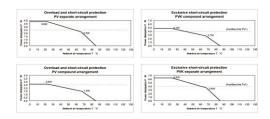
Voltago		
Rated voltage	IEC 60947-1	500 V
Rated voltage	UL 1059	150 V
Use Group	UL 1059	A, B, C, D
Rated voltage	CSA-C-22.2 n°158	150 V
Rated voltage Ex e	IEC/ EN 60079-7	
Rated impulse withstand voltage	IEC 60947-1	6000 V
Dielectric test voltage	IEC 60947-1	1890 V
Pollution degree	IEC 60947-1	3
Overvoltage category	IEC 60947-1	III

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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	2.5
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

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	
	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-SF Terminal Block Accessories Compatibility

Weight	Pack ^(ing)	Order Code	Туре	Description	
g (1 pce)	pieces				
0.273	1680	1SNB041791R0612	MG-CPM 13	Terminal Block Markers	1
10.00	22	1SNK150000R0000	MC612		
10.00	22	1SNK150004R0000	MC612-YL		
11.00	20	1SNK159999R0000	MC612PA		
0.20	10	1SNK900611R0000	UMH		
0.80	20	1SNK900612R0000	PROCAP6		
6.00	5	1SNK900615R0000	SAT6		
718.00	2	1SNA164800R0300	PR3.G2	Mounting Rails	2
915.00	2	1SNA168500R1200	PR4		
700	2	1SNA168700R2200	PR5		
328.00	2	1SNA173220R0500	PR30		
718.00	2	1SNA174300R1700	PR3.Z2		
14.00	50	1SNK900001R0000	BAM4	End Stops	3
5.30	50	1SNK900002R0000	BAZ1		
5.20	10	1SNK900201R0000	TC5-R1	Test Connectors	4
1.70	20	1SNK900203R0000	TP2	Test Adapters	5
2.40	20	1SNK900205R0000	TP4	•	
2.80	10	1SNK900603R0000	JB85-3	Cross Spacing Jumpers	6
380.00	1	1SNK900650R0000	PS-3	Tools	7
1.30	50	1SNK906302R0000	JB6-2	Jumper Bars	8
2.10	50	1SNK906303R0000	JB6-3	•	
2.90	50	1SNK906304R0000	JB6-4		
3.60	50	1SNK906305R0000	JB6-5		
7.40	20		JB6-10		
	10		PC6-2	Lateral Jumper Bars	9
8.00	10	1SNA113548R2600	PC6-10	·	
	10				
	10			Spacers	10
380.00 1.30 2.10 2.90 3.60	1 50 50 50 50 50 20 10 10	1SNK900650R0000 1SNK906302R0000 1SNK906303R0000 1SNK906304R0000	PS-3 JB6-2 JB6-3 JB6-4 JB6-5 JB6-10	Tools	9

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