



# ZP2.5-PE Spring Terminal Block Ground

Improve the safety of your installation in the event of a short-circuit thanks to our screwless rail contact:

- Rail contact non operator dependent,
- Performances above the requirements of IEC 60947-7-2 terminal block standard,
- Secured snap on or remove from the rail,
- Profile aligned with ZP2.5.





		2.5 mm <sup>2</sup>	5.2 mm 0.205 in Spacing

## Ordering Details

Color	Type	Order Code	EAN Code	Pack(ing)	Weight (1 pce) g
Green-Yellow 	ZP2.5-PE	1SNK605150R0000	3472596051501	20	11.1

## Declarations and Certificates

		RoHS																	
CE	CB	RoHS																	





## Declarations and Certificates

Document Part Number

[illegible]

## General Information


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

Protection		IP20	NEMA 1			
Rail		TH 35-7.5, TH 35-15				
Wire stripping length		11 mm	0.433 in			
Operating tool		Flat screwdriver				
Torque		3.5 mm	0.138 in			
Mechanical endurance of disconnect system		±	±	±	±	

## Material Specifications

Insulating material	Polyamide
CTI	IEC 60947-1 : 600 V
Flammability	UL 94 : V0
	Grey and Dark grey color only NF F16-101 : I2F2
	Other colours and colours combination : I2F3
	Needle flame test IEC 60947-7-1 : Compliant


### Connecting capacity with one conductor per clamp Push-in: direct connection

1 Rigid conductor		0.5-4 mm <sup>2</sup>		
1 Flexible conductor with non insulated ferrule		0.5-2.5 mm <sup>2</sup>		
1 Flexible conductor with insulated ferrule		0.5-2.5 mm <sup>2</sup>		
Ferrule maximum outer diameter		Ø Max.	4.7 mm	0.185 in

All the "connecting capacity data" preceded by the standard number (IEC60947 ... or UL1059...) have been approved by a third party laboratory and are those indicated in our CB certificate or UL certificate.  
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## Connecting capacity with one conductor per clamp Spring: connection with screwdriver

1 Rigid conductor		0.5-4 mm <sup>2</sup>		
1 Flexible conductor	IEC 60947-7-1	0.5-2.5 mm <sup>2</sup>		
1 Flexible conductor with non insulated ferrule		0.5-2.5 mm <sup>2</sup>		
1 Flexible conductor with insulated ferrule		0.5-2.5 mm <sup>2</sup>		
Ferrule maximum outer diameter		Ø Max. 4.7 mm	0.185 in	

## Cross section

Rated cross section	IEC 60947-7-1	2.5 mm <sup>2</sup>		
Maximum Cross section	Manufacturer data	2.5 mm <sup>2</sup>	Manufacturer data	
Gauge	A1-B2 / 2.4 mm / 0.0945 in / IEC 60947-7-1			

## Electrical characteristics

### Current

Rated current	Field and factory wiring Cat.2 Factory wiring Cat.1			
Rated short-time withstand current 1 s (I <sub>cw</sub> )		IEC 60947-7-1	300 A	
Short-time withstand current	0.5 s	Manufacturer data		
	5 s	Manufacturer data		
	10 s	Manufacturer data		
	30 s	Manufacturer data		
	1 mn	Manufacturer data		
Rated short circuit withstand				
Max. current (45° temperature increase) / Max. cross section (mm <sup>2</sup> )		Manufacturer data		2.5 mm <sup>2</sup>
Maximum short circuit current (1s)		Manufacturer data	300 A	

## Short Circuit Current Rating (SCCR) SA UL 1059 supplement

SCCR				
With the following configurations:				
	Suitable conductor wire range			
	Maximum voltage			
	Fuse type / Fuse rating		J	
			T	
			RK1	
			RK5	
			G	
			CC	

## Voltage

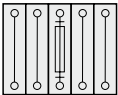
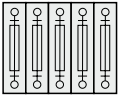
Rated voltage				
Rated voltage				
Voltage				
Use Group		UL 1059	B, C	
Rated voltage				
Rated voltage Ex e				
Rated impulse withstand voltage		IEC 60947-7-2	8000 V	
Dielectric test voltage		IEC 60947-7-2	2200 V	
Pollution degree		IEC 60947-1	3	
Overvoltage category		IEC 60947-1	III	

## Dissipated power

Maximum dissipated power at rated current				
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Separate arrangement/ Overload and short-circuit protection		
Separate arrangement/ Exclusive short-circuit protection	1 fuse and 4 feed-through blocks	
Compound arrangement/ Overload and short-circuit protection		
Compound arrangement/ Exclusive short-circuit protection	5 fuse blocks	

## Temperature range

Ambient temperature min/max	Storage	-55 +110 °C	-67 +230 F
	Installing	-5 +40 °C	-23 +104 F
	Operating	Service (normal conditions)	+65 °C
		With derating	-55 +110 °C

Current Derating curve for continuous service temperature

## Environmental Characteristics

### Additional climatic tests

Dry heat		IEC 60068-2-2	Compliant
	Conditions	Temperature	
		Duration of test	
Cyclic damp heat			
	Conditions	Temperature	
		Number of cycles	
Cold			
	Conditions	Temperature	
		Duration of test	
Z/ABDM climatic sequence			
	Conditions	Dry heat Duration of test / Temperature	
		Cyclic damp heat Number of cycles / Temperature	
		Cold Duration of test / Temperature	

## Corrosion

Salt mist		IEC 60068-2-11	Compliant
	Conditions	Duration of test	96 h
		Concentration	5 %
SO2			
	Conditions	Duration of test	
		Concentration	
Sulfur dioxide			
	Conditions	Duration of test	
Hydrogen sulfur			
	Conditions	Duration of test	
Flowing mixed gas corrosion test			
	Conditions	Number of the test method	
		Duration of test	

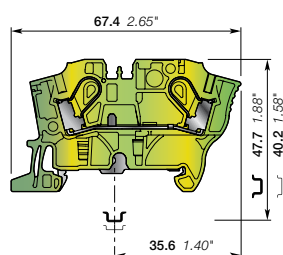
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## Vibrations

Random vibrations	Conditions	Frequency range	
		Number of cycles	
		Amplitude	
		Acceleration	
Random vibrations and climatic sequence	Conditions	Duration of test	
		Frequency range	
		Acceleration	
	Climatic cycles		
	Step 1 -> Temperature / Duration of test		
	Step 2 -> Temperature / Duration of test		
		Temperature variation per minute	

## Dimensions mm inches



## ZP2.5-PE Terminal Block Accessories Compatibility

Some accessories may modify the terminal block's rating. See complete information in the accessories "Technical Datasheet".

Description	Type	Order Code	Pack(ing) pieces	Weight g (1 pce)	Technical Datasheet PDF
1 Mounting Rails	PR3.G2	1SNA164800R0300	2		1SNK160040S0201
	PR4	1SNA168500R1200	2		1SNK160041S0201
	PR5	1SNA168700R2200	2		1SNK160041S0201
	PR30	1SNA173220R0500	2		1SNK160017S0201
	PR3.Z2	1SNA174300R1700	2		1SNK160017S0201
2 End Stops	BAM3	1SNK900001R0000	50	13.8	1SNK160026S0201
	BAZ1	1SNK900002R0000	50	5.3	1SNK160002S0201
3 End Sections	EP2.5	1SNK605910R0000	20	2.6	
4 Jumper Bars	JB5-2	1SNK905302R0000	50	1.3	1SNK160027S0201
	JB5-3	1SNK905303R0000	50	2	1SNK160027S0201
	JB5-4	1SNK905304R0000	50	2.7	1SNK160027S0201
	JB5-5	1SNK905305R0000	50	3.5	1SNK160027S0201
	JB5-10	1SNK905310R0000	30	7.1	1SNK160027S0201
	JB5-50	1SNK905350R0000	10	36.1	1SNK160027S0201
5 Circuit Separators	CS	1SNK900101R0000	20	0.2	1SNK160018S0201
	CS-R1	1SNK900103R0000	20	5.2	1SNK160018S0201
6 Test Adapters	TP2	1SNK900203R0000	20	1.73	1SNK160036S0201
	TP4	1SNK900205R0000	20	2.418	1SNK160036S0201
7 Test Connectors	TC5	1SNK900200R0000	10	5.23	1SNK160042S0201
	TC5-R1	1SNK900201R0000	10	5.23	1SNK160042S0201
8 Protecting Covers	CO	1SNK900604R0000	1	300	1SNK160045S0201
9 Protecting Cover Kits	KCO	1SNK900624R0000	1	47.8	1SNK160045S0201
10 Tools	PS-3	1SNK900650R0000	1	380	1SNK160028S0201
11 Terminal Block Markers	MC512	1SNK140000R0000	22	9	1SNK160003S0201
	MC512PA	1SNK149999R0000	20	10	1SNK160003S0201
	UMH	1SNK900611R0000	10	0.2	1SNK160001S0201
	SAT5	1SNK900614R0000	5	6	1SNK160013S0201

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