

## SMISLINE TP

### System overview



125A rated current side feeding socket system with integrated busbars for L1, L2, L3, N and 2 busbars for signalization. Additional socket with N and PE busbars.

- EC/EN 61439-6 and UL508
- Rated conditional short-circuit current ( $I_{cc}$ ) with XT4 100 kA (415V)



250A rated current side feeding socket system with integrated busbars for L1, L2, L3, N and 2 busbars for signalization. Additional socket with N and PE busbars.

- EC/EN 61439-6 and UL508 (UL only main socket)
- Rated conditional short-circuit current ( $I_{cc}$ ) with XT4 100 kA (415V)



250A side feeding solution, the direct feed starter pack solution allows a direct connection from the 250A Power Bar System to the installation for plug-in circuit-breaker Tmax XT4 Moulded Case Circuit Breaker.

- EC/EN 61439-6 and UL508 (UL only main socket)
- Rated conditional short-circuit current ( $I_{cc}$ ) with XT4 100 kA (415V)



The Pan Assembly solution allows a connection from two SMISLINE TP Power Bar System to a pluggable ABB XT4 Moulded Case Circuit Breaker. The solution is built for a vertical design.

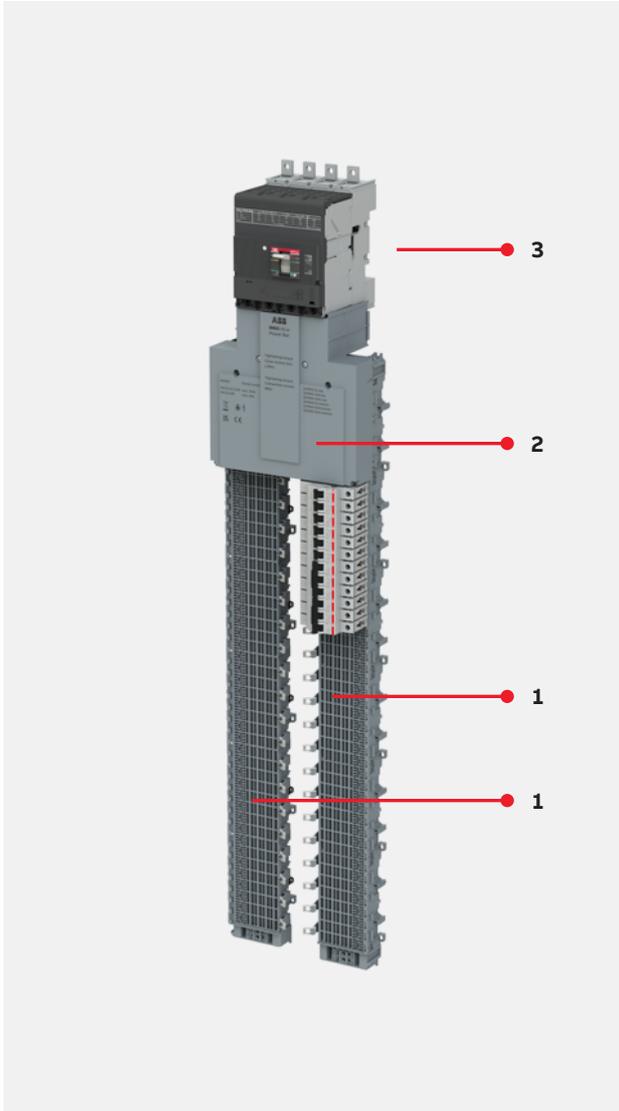
**Product will start with sales end of Q3 in 2023.**

- EC/EN 61439-6
- Rated conditional short-circuit current ( $I_{cc}$ ) with XT4 50 kA (415V)

## SMISLINE TP plug-in system

Busbar system 250A

Pan Assembly solution



The Pan Assembly design provides a solution for directly connecting two 250A SMISLINE TP Power Bar Systems to a pluggable Tmax XT4 MCCB, thereby reducing labour time. The two 250A SMISLINE TP Power Bar Systems are installed vertically for optimum use of space. The Tmax XT4 MCCB can be fitted above or below the Smisline arrangement, depending on whether the incoming cables are fed from the top or the bottom of the enclosure.

The complete system is IP20 touch proof and is tested according to IEC/EN 61439-6.

### Step 1

Select the required Power Bar System 250A starter pack. There is a wide selection of starter packs available, ranging from 30 up to 110 modules (ZLSP950....) in 3L and 3LN variations. The starter packs come with the busbars already fitted. You can also build up your 250A Smisline system individually, using the 6 and 8 module main sockets (ZLSP908/906) and the different lengths of available 250A busbar.

Additional sockets can be selected as well, if external N and/or PE busbars are needed.

### Step 2

Select the Tmax XT4 MCCB to Smisline system incoming connection kit (ZLSP940...), depending on top or bottom feed.

### Step 3

Select the Plug-in Tmax XT4 Moulded Case Circuit Breaker. A 3pole (1SDA068196R1) or 4pole (1SDA068198R1) plug-in base is also required.

## Technical data IEC/EN 61439-6

### Pan Assembly 250A

#### Pan Assembly 250A

Number of poles	30 to 110 3p+N / 2 additional bars PE+N
Rated operational voltage ( $U_e$ )	240/415 VAC
Rated insulation voltage ( $U_i$ )	690 VAC
IP Code	IP20B IP
Pollution degree	3 (415 VAC)
Rated impulse voltage ( $U_{imp}$ )	8 kV Main busbars; 6 kV Auxiliary busbars
Rated current of the assembly ( $I_{nA}$ )	250A
Rated current of a circuit ( $I_{nc}$ ): main circuit	Max. 250A
Rated current of Auxiliary circuit	40 A
Rated short-time withstand current ( $I_{cw}$ )	15 kA/100 ms Main circuit, 4 kA/50 ms Auxiliary circuit
Rated peak withstand current Main circuit ( $I_{pk}$ )	30 kA
Rated peak withstand current Auxiliary circuit ( $I_{pk}$ )	6 kA
Rated frequency (f)	50/60 Hz
Rated conditional short-circuit current ( $I_{cc}$ )	see table below
Ambient air temperature	60°C
Size of CU bars 3P+N+PE	3 x 25 mm (75 mm <sup>2</sup> )
Size of CU auxiliary bars La Lb	2 x 5 mm (10 mm <sup>2</sup> )
Environmental conditions (damp heat)	2 cycles with 55 °C/90–96 % and 25 °C/95–100 % acc. to IEC/EN 60068-2-30
Tightening torque	8 Nm, Cover 1,2 Nm
Ambient temperature	-25 ... +60 °C
Storage temperature	-40 ... +70 °C

IEC	Rated conditional short-circuit current ( $I_{cc}$ )	Voltage (VAC)	Rated conditional short-circuit current ( $I_{cc}$ )	Incoming current of main busbars (L1, L2, L3, N)	Short circuit protection device (SCPD)
		415V	100kA	250A	ABB Tmax XT4 250 A

#### Order data

##### Pan Assembly 250A

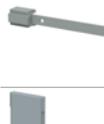
	Incoming Solution with XT4 3LN plug-in for Tmax XT4 4pole (1SDA068198R1)	Number 761 227 EAN	Order details		Weight in grams	Pack unit pc.
			Type code	Order code		
	Incoming terminal block Pan Assembly top feed 3LN, XT4 include the N	1519612	ZLP940-3LN top	2CCG001480R0001	1659	1
	Incoming terminal block Pan Assembly bottom feed 3LN, XT4 include the N	1519643	ZLP940-3LN bottom	2CCG001483R0001	1659	1
	Incoming terminal block Pan Assembly top feed 3LN, XT4 include the N-N (connection main to additional socket)	1520403	ZLSP940-3LN-N top	2CCG001562R0001	1659	1

## Order data

### Pan Assembly 250A

#### Pan Assembly 250A

	<b>Incoming Solution with XT4 3L plug-in for Tmax XT4 3pole (1SDA068196R1)</b>	<b>Number 761 227 EAN</b>	<b>Order details</b>		<b>Weight in grams</b>	<b>Pack unit pc.</b>
			<b>Type code</b>	<b>Order code</b>		
	Incoming terminal block Pan Assembly top feed 3LN, XT4 include the N-N (connection main to additional socket)	1519605	ZLP940-3L top	2CCG001479R0001	1553	1
	Incoming terminal block Pan Assembly bottom feed 3L	1519636	ZLP940-3L bottom	2CCG001482R0001	1659	1
	Incoming terminal block Pan Assembly top feed 3LN, XT4 without N	1519629	ZLP940-3LN1 top	2CCG001481R0001	1350	1
	Incoming terminal block Pan Assembly bottom feed 3LN, XT4 without N	519650	ZLP940-3LN1 bottom	2CCG001484R0001	1659	1

	<b>Spare part Incoming terminal block Pan Assembly (only for replacement)</b>	<b>Number 761 227 EAN</b>	<b>Order details</b>		<b>Weight in grams</b>	<b>Pack unit pc.</b>
			<b>Type code</b>	<b>Order code</b>		
	Connection N main socket to N additional socket	1519667	ZLSP940-main cover	2CCG001485R0001	223	1
	Socket base	1519674	ZLSP940-socket base	2CCG001486R0001	746	1
	Connection N main socket to N additional socket	1520403	ZLSP940N-N	2CCG001564R0001	223	1
	Slider closed	1519681	ZLSP940-slider closed	2CCG001487R0001	82	1
	Slider N	1519698	ZLSP940-slider N	2CCG001488R0001	82	1
	Ring lug base N	1519704	ZLSP940-ringlug base N	2CCG001489R0001	335	1
	Connector cover	1519711	ZLSP940-connector	2CCG001490R0001	93	1