



The busbars PS 1/x/6-KNX reduce the wiring effort for ABB i-bus® modular installation devices. Different load circuits can be supplied from a common source using the busbar.

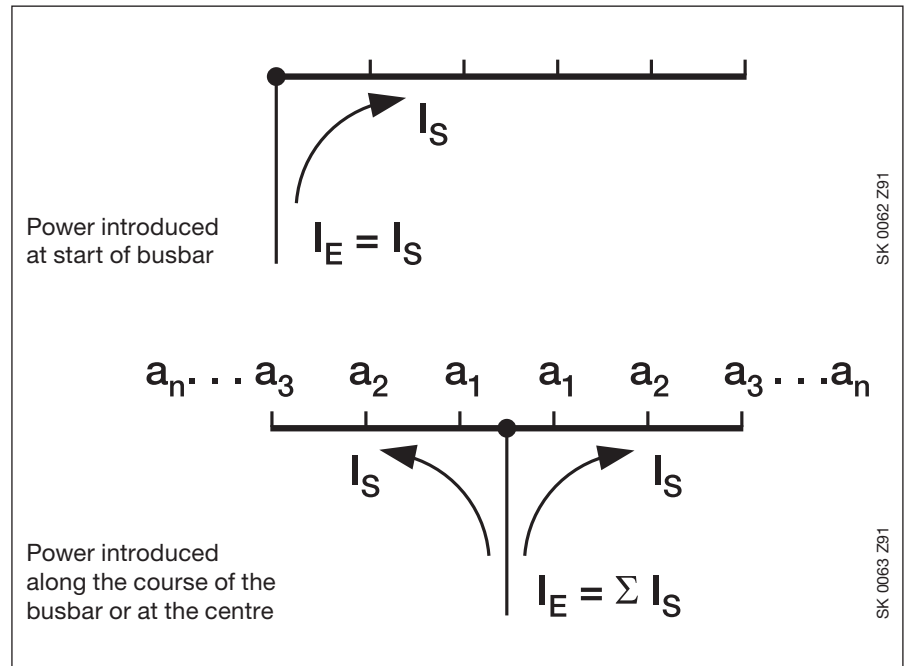
The busbars are suitable for all 6 mm<sup>2</sup> terminals with universal head screws in the ABB i-bus® range, such as those installed in the 10 A and 16 A SA/S ABB i-bus® Switch Actuators, Switch/Dim Actuators SD/S x.16.1 or Light Controller LR/S 4.16.1.

### Technical Data

<b>Nominal data</b>	– Cu cross-section – Rated current $I_n$ – Rated voltage $U_n$	6 mm <sup>2</sup> 40 A 250/440 V
<b>Materials</b>	– Rail – Insulated section	E-Cu 58 F25 Plastic, Cycloyl 3600 temperature resistant ≤ 90 °C, flame-retardant, self-extinguishing, dioxin and halogen-free
<b>Dielectric strength</b>	– Rated operational voltage $U_c$ – Rated impulse withstand voltage $U_{imp}$ – Test voltage (1.2/50)	400 V 4 kV 6.2 kV
<b>Short-circuit rating</b>	– Rated conditional short-circuit current $I_{cc}$	25 kA
<b>Isolation category</b>	– Overvoltage category – Pollution degree	III to EN 60 664-1 2 to EN 60 664-1
<b>Temperature range</b>	– Operation – Storage – Transport	– 5 °C ... + 45 °C – 25 °C ... + 55 °C – 25 °C ... + 70 °C
<b>Environment conditions</b>	– Humidity	Constant climate 23/83, 40/92, 55/20 to DIN 50015 Damp heat, 28 cycles to IEC 68 part 2-30
<b>Design</b>	– Contact pin (H x W x D) – Length of the rail PS 1/4/6-KNX – Length of the rail PS 1/60/6-KNX	1 x 2.5 x 10 mm 62 mm (4 contact pins) 1037 mm (60 contact pins)
<b>Weight</b>		PS 1/4/6-KNX    PS 1/60/6-KNX
	– Total in g – Cu weight	6.5 g            100 g 14 g             220 g
<b>Housing, colour</b>	– Plastic, grey	
<b>Accessories</b>	– End cup	PS-END 1-S (2CDL 000 001 R0001) On the PS 1/4/6-KNX the end cups are included
<b>Standard</b>	– EN 60439 part 1	
<b>CE mark</b>	– in accordance with the EMC guideline and low voltage guideline	

Circuit diagram

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Maximum rail current  $I_r$  (= 40 A) may not be exceeded.  
The supply current  $I_S$  is dependent on the conductor cross-section of the power source.



On the cut to size busbar the end cup PS-END 1-S (2CDL 000 001 R0001) should be used to provide touch protection.

Dimension drawing

