



## Busbar support, 3p, profile up to 720mm<sup>2</sup>

**Part no.** BBS-3/PR  
**Article no.** 107162

### Delivery program

Product range			60 mm system
Basic function			System for profile busbars
Subrange			Busbar supports Double T profile busbar carrier
Material			Thermoplast, silicon free, chlorine free Halogen free
Halogen free			yes
Self-extinguishing			to UL 94
Colour			RAL 7035
Track resistance			CTI 200
Temperature resistant			to 120°C
Description			Suitable for outside and middle carrier With screw block inside
Pole			3
Rated operational current	I <sub>e</sub>	A	1600
For use with			Double T profile
<b>Notes</b>			
Current load → [TB_BBS_PRO__Current load]			

### Technical data

#### General

Standards			type-tested to VDE 0660 Part 500, IEC/EN 60439-1
Ambient temperature			
Operating ambient temperature max.		°C	+ 35
Interval between busbar centres		mm	60
Mounting position			Vertical, horizontal

#### Contacts

Rated operational voltage	U <sub>e</sub>	V	690
Rated frequency	f	Hz	50/60
Rated insulation voltage	U <sub>i</sub>	V	3000
Interval between busbar centres		mm	60
Distance between busbar supports	a	mm	500
Rated peak withstand current			
with 500 mm <sup>2</sup>	I <sub>pk</sub>	kA	72
with 720 mm <sup>2</sup>			87
Rated uninterrupted current			With temperature deviations, DIN 43671 stipulates that a correction factor k2 must be taken into account
Rated uninterrupted current	I <sub>u</sub>	A	
T <sub>u</sub> = 35 °C and T <sub>s</sub> = 65 °C			
with 500 mm <sup>2</sup>	I <sub>u</sub>	A	1003
with 720 mm <sup>2</sup>	I <sub>u</sub>	A	1281
Busbar temperature		°C	
Busbar temperature max.		°C	70
Short-circuit duration	T	ms	20

#### Electrical data

Rated frequency	f	Hz	50/60
Rated operational current	I <sub>e</sub>	A	1600

## Material characteristics

Material			Thermoplast, silicon free, chlorine free Halogen free
Colour			RAL 7035
Flammability characteristics			Self-extinguishing to UL 94
Track resistance			CTI 200
Temperature resistant			to 120°C

## Notes

For different intervals between busbar supports see characteristic curve.

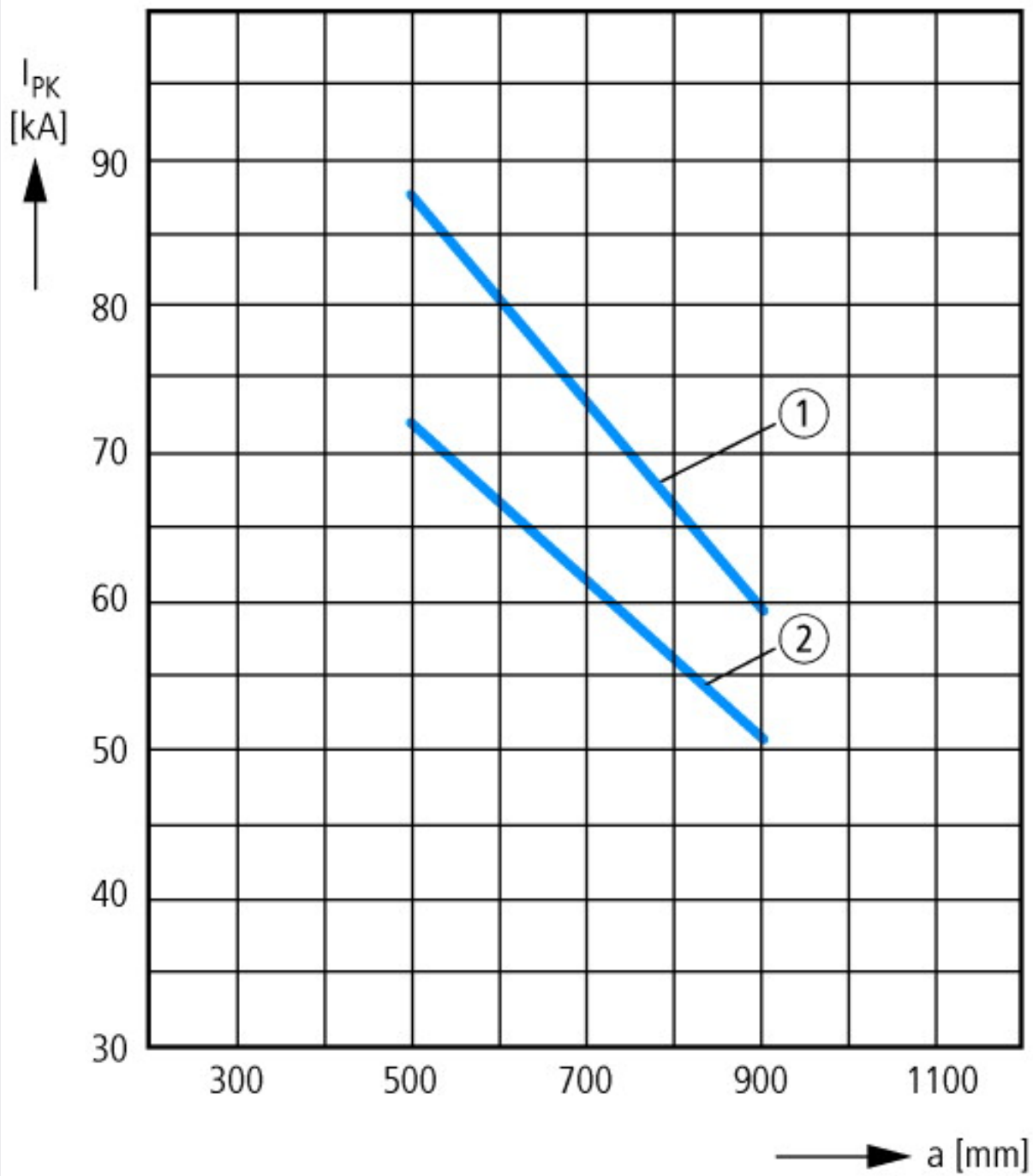
## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature max.		°C	35

## Approvals

Product Standards			UL508A; CSA-C22.2 No. 14; IEC 60439-1; CE marking
UL File No.			E300273
UL Category Control No.			NMTR, NMTR7
CSA File No.			236217
CSA Class No.			3211-37
North America Certification			UL listed, CSA certified
Conditions of Acceptability			Refer to approbation report
Specially designed for North America			No
Suitable for			Feeder circuits
Current Limiting Circuit-Breaker			Refer to approbation report
Max. Voltage Rating			600 V AC
Degree of Protection			Feeder circuits

## Characteristics



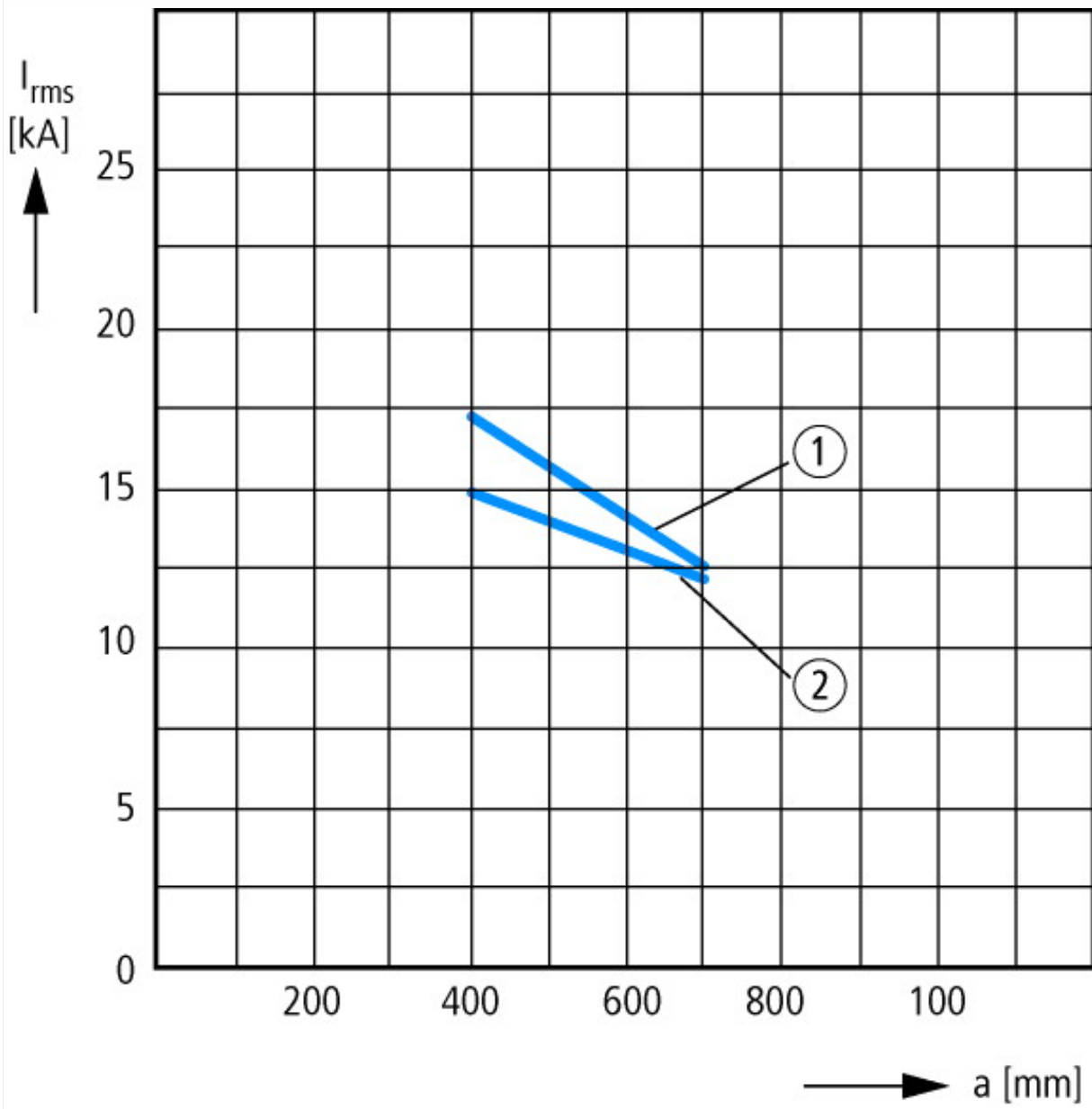
Short-circuit rating to IEC/EN 60439-1

① 720 mm<sup>2</sup>

② 500 mm<sup>2</sup>

$I_{pk}$  = Rated peak withstand current

$a$  = Clearance Busbar support



Short-circuit rating to UL 845

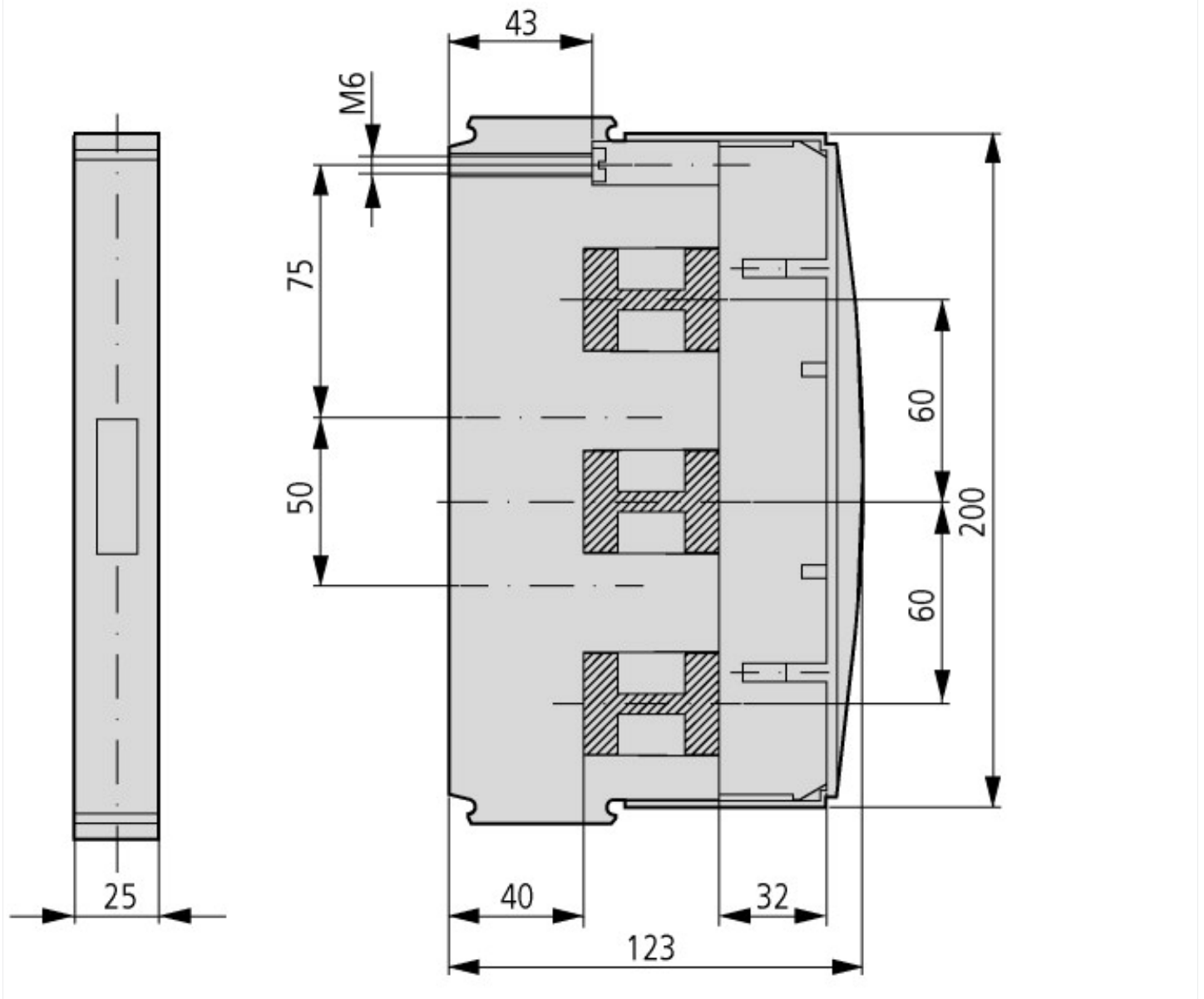
① 500 mm<sup>2</sup>

② 720 mm<sup>2</sup>

$I_{eff}$  = impulse current (RMS)

$a$  = spacing of busbar supports

## Dimensions



### Additional product information (links)

Electrical load	<a href="http://ecat.moeller.net/flip-cat/?edition=HPLEN&amp;startpage=16.39">http://ecat.moeller.net/flip-cat/?edition=HPLEN&amp;startpage=16.39</a>
Short-circuit rating	<a href="http://ecat.moeller.net/flip-cat/?edition=HPLEN&amp;startpage=16.40">http://ecat.moeller.net/flip-cat/?edition=HPLEN&amp;startpage=16.40</a>