



**Busbar adapter, 45 mm, 25 A, DIN rail: 1**

**Part no.** BBA0-25  
**Catalog No.** 101451  
**Alternate Catalog No.** BBA0-25  
**EL-Nummer (Norway)** 2465046

**Delivery program**

Accessories			Busbar adapters
			For fitting to flat Cu-busbars with 60 mm between busbar centres, suitable for 5 mm and 10 mm busbar thickness Rated operational current 25 A For DOL Starter
For use with			Busbar adapter PKZ0, PKE
Rated operational voltage	$U_e$	V	690
Rated operational current	$I_e$	A	25
Terminal capacity			AWG 12 (4 mm <sup>2</sup> )
Adapter width		mm	45
Adapter length		mm	200
DIN rail		Quantity	1
Adapter width		mm	45
For use with			PKZM0, PKE + DILM7 PKZM0, PKE + DILM9 PKZM0, PKE + DILM12 PKZM0, PKE + DILM15 MSC-D(M)-0,25-M7... - MSC-D(M)-16-M15...
<b>Notes</b> Use in combination with individual components PKZM0, PKE, and DILM DOL set PKZM0-XDM12. Completely mounted and tested combination with MSC-D...			

**Design verification as per IEC/EN 61439**

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	25
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	1.9
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0
Heat dissipation capacity	$P_{diss}$	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			
			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			
			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			
			Meets the product standard's requirements.
10.2.5 Lifting			
			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			
			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			
			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			
			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			
			Meets the product standard's requirements.
10.5 Protection against electric shock			
			Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

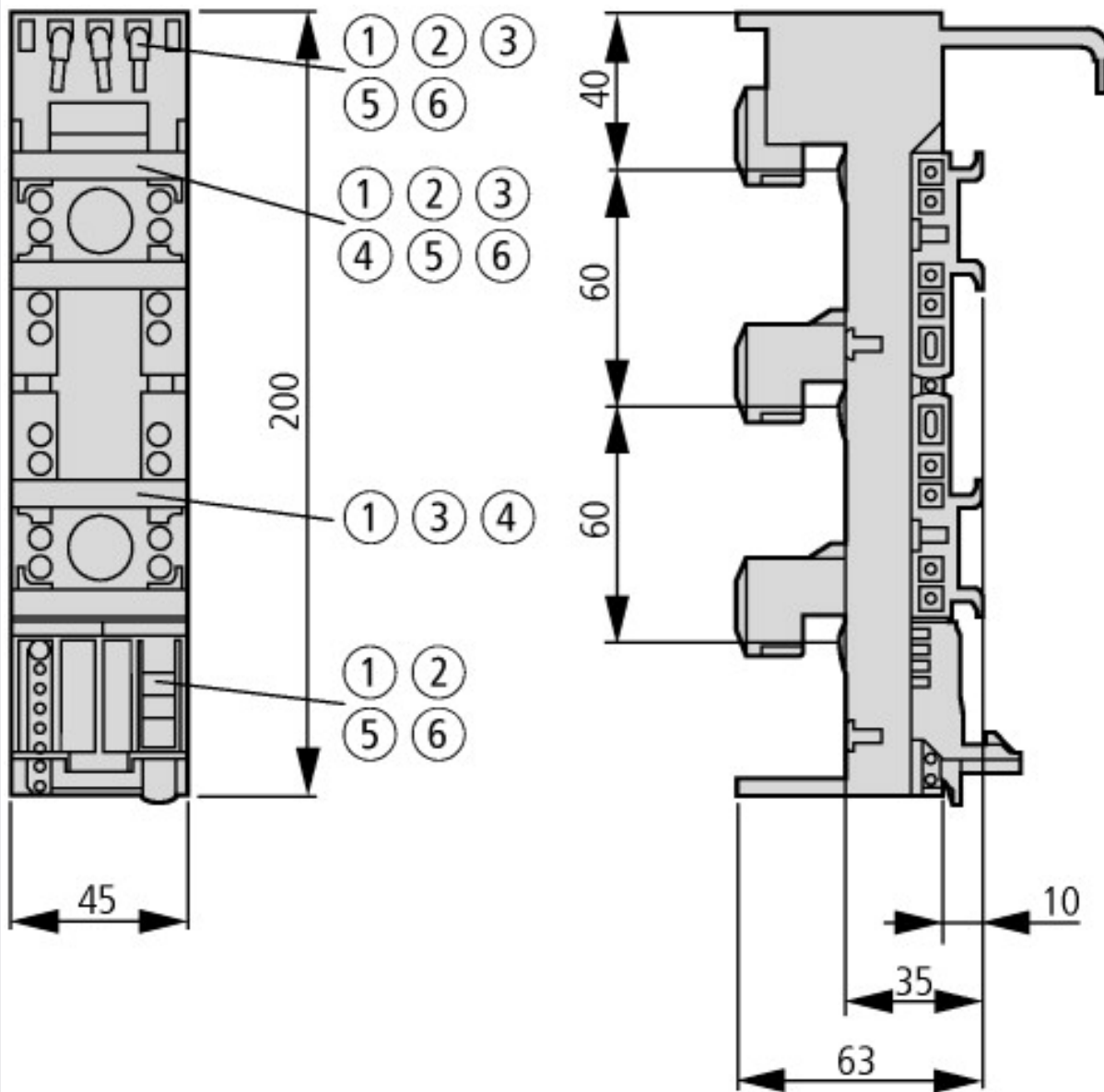
## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Busbar adapter (EC001531)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Busbar trunking system (LV circuitry) / Busbar adapter (low-voltage switching technology) (ec1@ss10.0.1-27-37-03-04 [ACN951011])			
Mounting rail armament			1 mounting rail
Type of electric connection			3 conductors AWG 12
Rated current I <sub>n</sub>		A	25
Min. busbar thickness		mm	5
Max. busbar thickness		mm	10
Width of the adapter		mm	45
Rail width		mm	35
Busbar distance		mm	60

## Approvals

Product Standards			UL 508A; CSA-C22.2 No. 14; IEC60439-1; CE marking
UL File No.			E300273
UL Category Control No.			NMTR; NMTR7
North America Certification			UL listed, certified by UL for use in Canada
Specially designed for North America			No
Max. Voltage Rating			600 V AC

## Dimensions



- |                 |              |
|-----------------|--------------|
| ① BBA0-32/2TS-C | ④ BBA0/2TS-L |
| ② BBA0-25/2TS   | ⑤ BBA0-25    |
| ③ BBA0C-16      | ⑥ BBA0-32    |

## Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market

[http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct\\_3258146.pdf](http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf)

Busbar Component Adapters for modern Industrial control panels

[http://www.moeller.net/binary/ver\\_techpapers/ver960en.pdf](http://www.moeller.net/binary/ver_techpapers/ver960en.pdf)