



Busbar adapter, 45mm, 25A, 1TS

Part no. BBA0-25
Article no. 101451
Catalog No. BBA0-25

Delivery program

Product range			60 mm system
Product range			Accessories
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 ²)
Adapter width		mm	45
Adapter length		mm	200
DIN rail		Quantity	1
For use with			PKZM0, PKE + DILM7 PKZM0, PKE + DILM9 PKZM0, PKE + DILM12 PKZM0, PKE + DILM15 MSC-D-0.25-M7... - MSC-D-16-M15...
Adapter width		mm	45
For use with			PKZM0, PKE + DILM7 PKZM0, PKE + DILM9 PKZM0, PKE + DILM12 PKZM0, PKE + DILM15 MSC-D-0.25-M7... - MSC-D-16-M15...
Notes			
In combination with individual components PKZM0, PKE and DILM.			
Use with direct starter set PKZM0-XMD12.			
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.

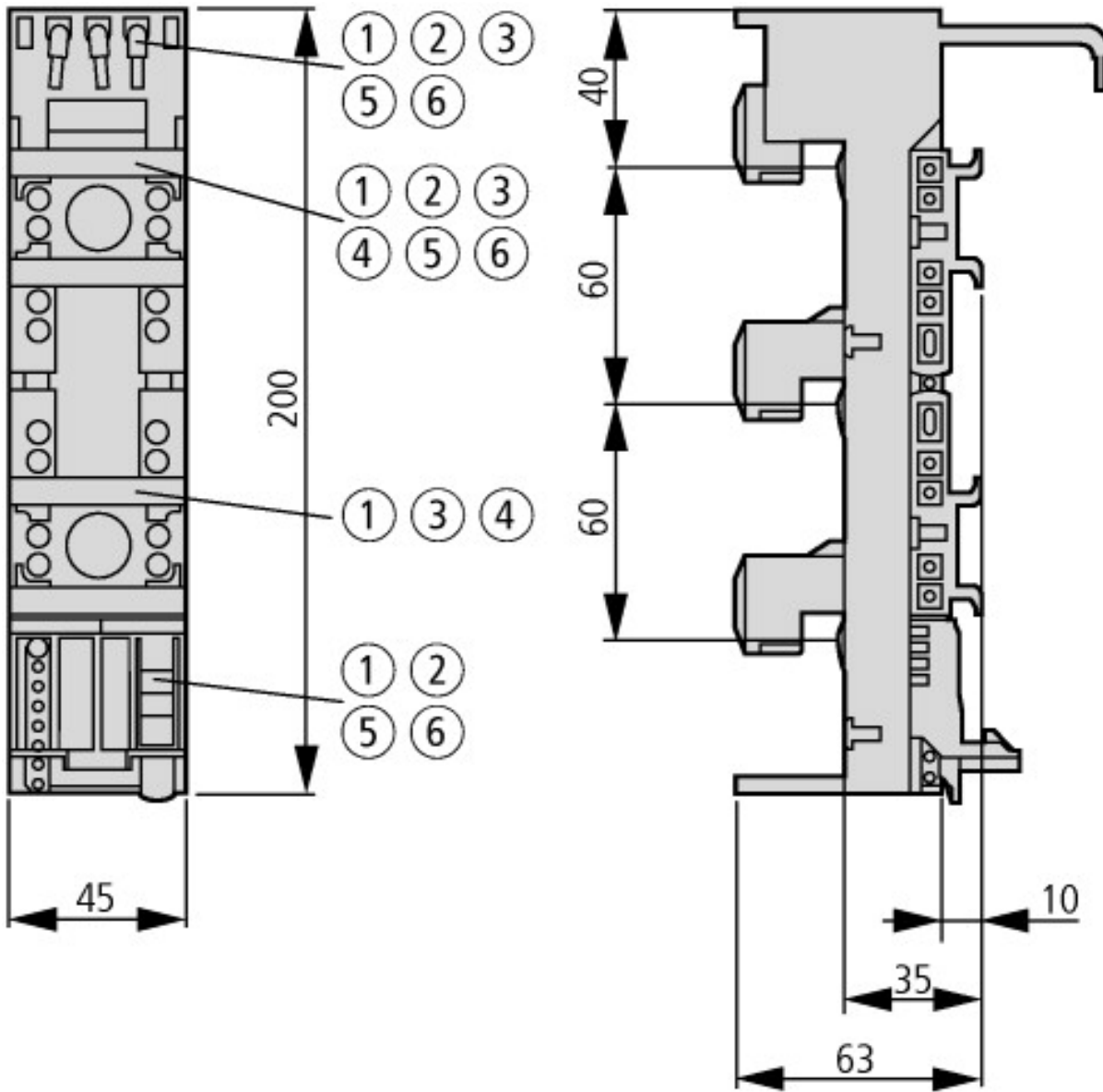
Technical data ETIM 6.0

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) (ec@ss8.1-27-37-03-04 [ACN951008])		
Mounting rail armament		1 mounting rail
Type of electrical connection		Round conductor/copper band
Rated current I _n	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
CSA File No.		232140
CSA Class No.		3211-37
North America Certification		UL recognized, CSA certified
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)

IL03402015Z (AWA1210-2324) Busbar adapter

IL03402015Z (AWA1210-2324) Busbar adapter ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402015Z2010_10.pdf

Motor starters and "Special Purpose Ratings" for the North American market http://www.moeller.net/binary/ver_techpapers/ver953en.pdf

Busbar Component Adapters for modern Industrial control panels http://www.moeller.net/binary/ver_techpapers/ver960en.pdf