

**Please read this documentation before you start working!**

The 6-pole bridge rectifiers conduce to supply electromagnetic DC-brakes and clutches with full-wave rectified AC voltage. Different application is only permitted with technical approval of INTORQ.

For DC-switching (see connection diagram "Shortened braking times") a spark-suppressor is integrated (terminals 5 and 6). The spark-suppressor inside the rectifier BEG-161-250-000-1 is optimized for operation at 230V AC power line. Thereby the lifetime of the switching contact is improved.

With the switching contact the coil power is switched.

**Attention!**

The terminals must be wired with copper conductors. The conductors may be solid or stranded and tinned in the end or stranded with cable end sleeve.

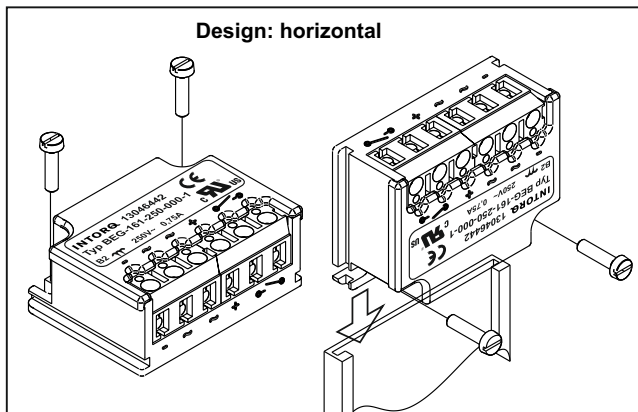
**Stop!**

Keep these instructions with the rectifier at all times! Install rectifier in the switch cabinet if the ambient temperature is too high!

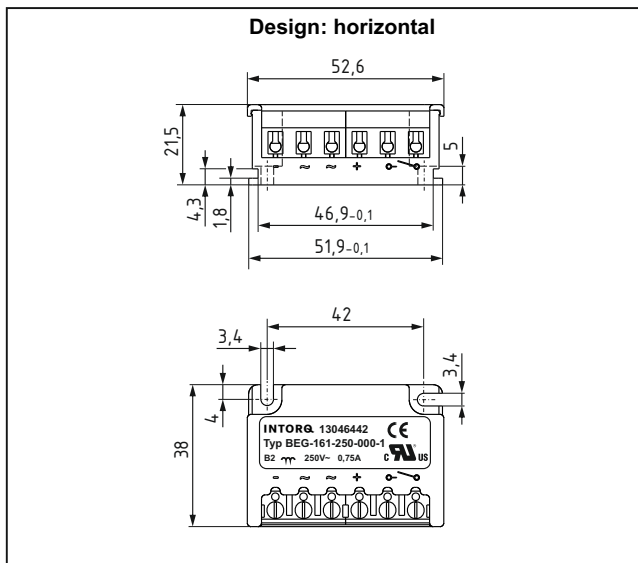
**Danger**

Always disconnect the equipment from the power supply when working on the rectifier!

**Attachment options**



**Dimensions**



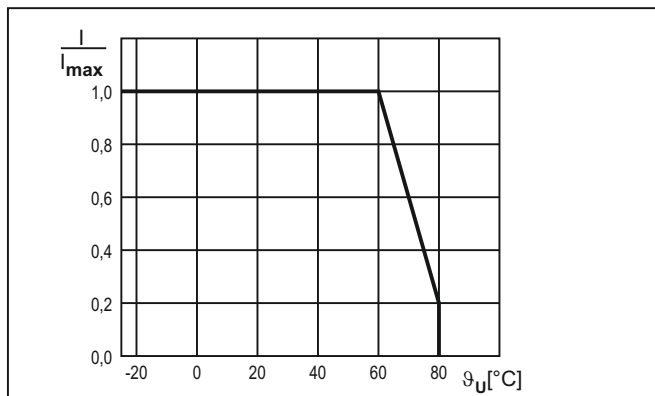
**Technical data**

Rectifier type	Bridge rectifier (B2)	
Output voltage	[V~]	0,9xU <sub>1</sub>
I <sub>max</sub> at 60°C	[A]	0,75
Ambient temperature (storage / operation)	[°C]	-40...+80 (mounting: -20...+80) max +40
Wire cross section	0,5 ... 2,5mm <sup>2</sup> / AWG20 ... AWG14	
Tightening torque	0,45Nm (4lbf in)	
Stripping length	7mm	

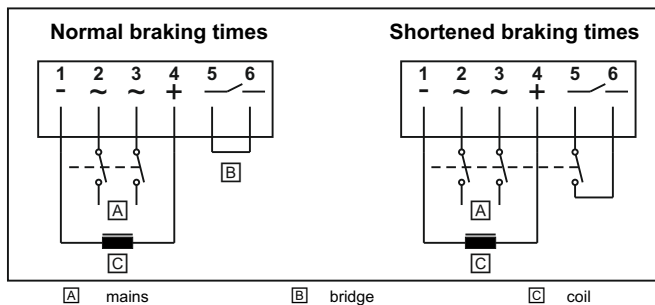
U<sub>1</sub> Input voltage (40...60Hz)

Type	Max. input voltage U <sub>1max</sub> (40...60Hz) [V~]	Design
BEG-161-250-000-1	250 <sup>+0%</sup>	horizontal

**Permissible current load at ambient temperature**



**Connection**



**Coil voltage selection**

Rated coil voltage	Function
U <sub>Sp</sub> = 0,9xU <sub>1</sub>	Operation of the brake with rated coil voltage

U<sub>Sp</sub> Rated coil voltage

U<sub>1</sub> Input voltage (40 to 60 Hz)

All rights reserved.

Modifications: V02 603851 11.05.2021 Fuhrmann

Drawn:	11.05.2021	Fuhrmann
Checked:	11.05.2021	Küter

**Kendrion INTORQ GmbH**  
31855 Aerzen

Drawing No.	Page
<b>D.BEG.0006</b>	2
Id. no. 13128178 DE/EN	of
	2