

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

The 6-pole half-wave rectifiers conduce to supply electromagnetic DC-brakes and clutches with half-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). Thereby the lifetime of the switching contact is improved. With the switching contact the coil power is switched. Please regard the note for rectifiers BEG-261-555 and BEG-262-555 in adjoining table.

**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.

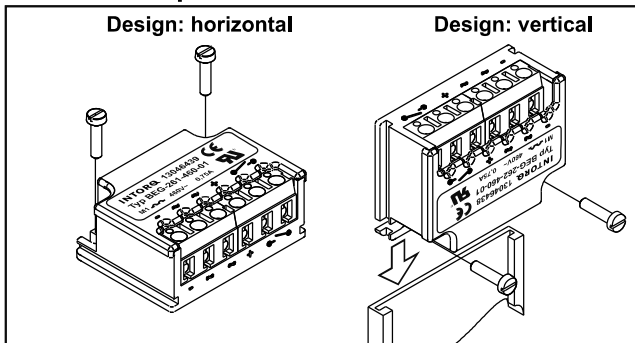
**Stop!**

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

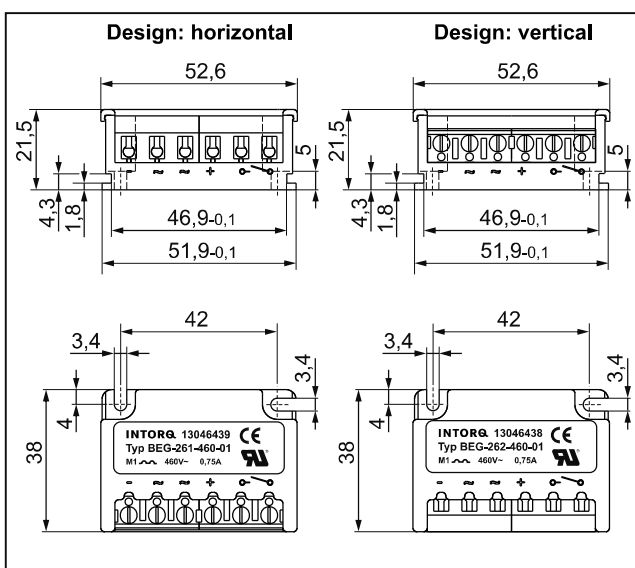
**Danger**

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

**Attachment options**



**Dimensions**



**Technical data**

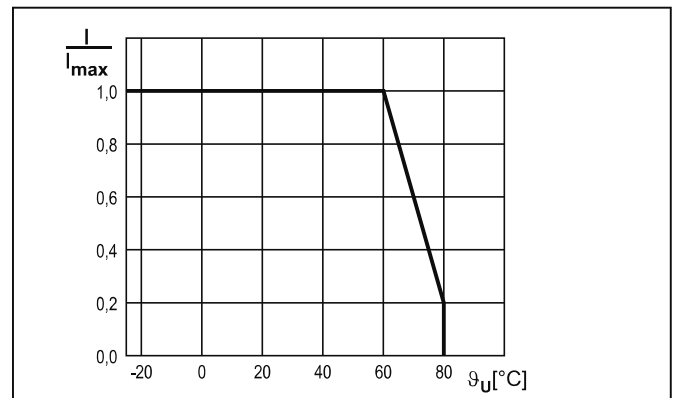
Rectifier type		Half-wave rectifier (M1)
Output voltage	[V~]	0,45xU <sub>1</sub>
I <sub>max</sub> at 60°C	[A]	0,75
Ambient temperature (storage / operation)	[°C]	-40...+80 (mounting: -20...+80) max +80
Wire cross section		0,5 ... 2,5mm <sup>2</sup> / AWG20 ... AWG14
Tightening torque		0,45Nm (4 lbf in)
Stripping length		7mm

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

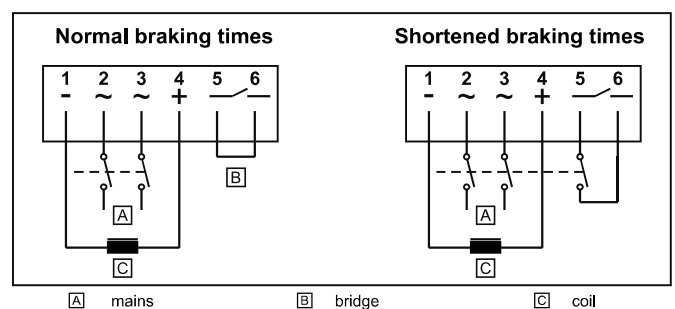
Type	Max. input voltage U <sub>1max</sub> (40...60Hz) [V~]	Design
BEG-261-460-01	460 <sup>+8%</sup>	horizontal
BEG-262-460-01	460 <sup>+8%</sup>	vertical
BEG-261-555-01*	555 <sup>+8%</sup>	horizontal
BEG-262-555-01*	555 <sup>+8%</sup>	vertical

\* Spark suppressor without capacitor. For optimum interference suppression, we recommend to use spark suppressor 14.198.00.04.

**Permissible current load at ambient temperature**



**Connection**



**Coil voltage selection**

Rated coil voltage	Function
U <sub>Sp</sub> = 0,45xU <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)

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Modifications: V03 603851 11.05.2021 Fuhrmann

Drawn:	11.05.2021	Fuhrmann
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