

**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). 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.

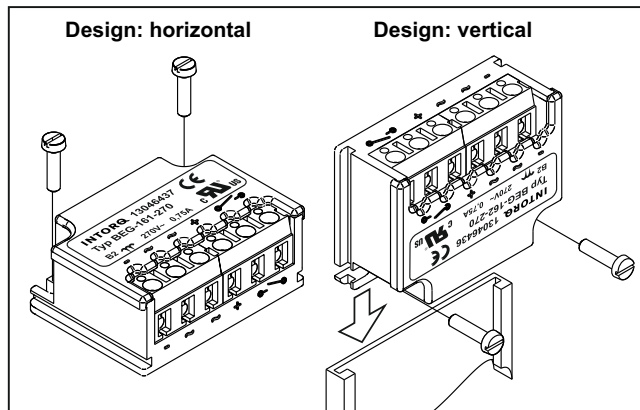
**Stop!**

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

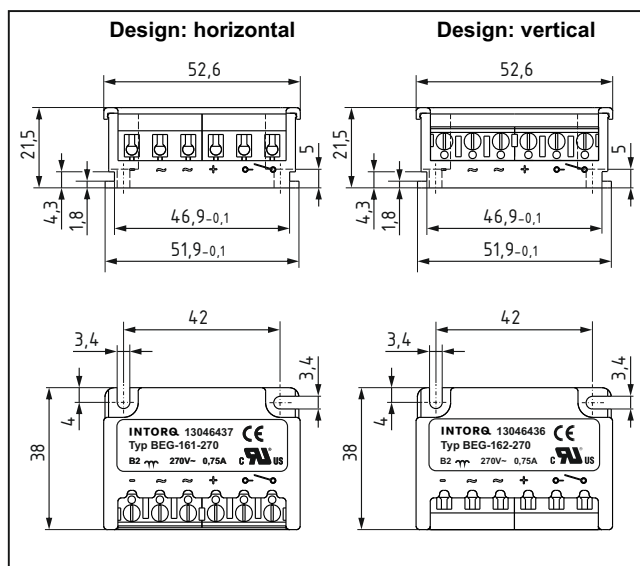
**Danger**

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

**Attachment options**



**Dimensions**



**Technical data**

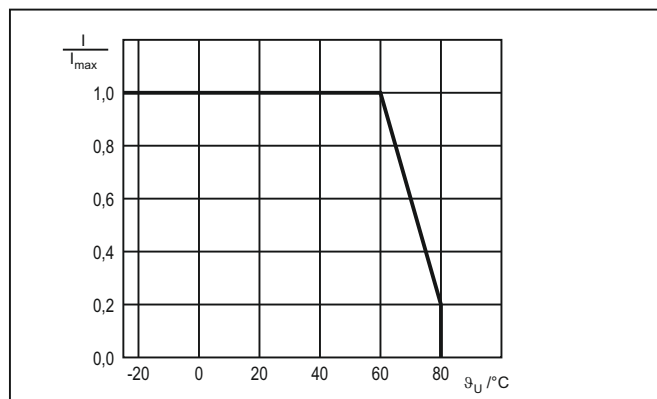
Rectifier type		Bridge rectifier (B2)
Output voltage	$U_V =$	$0,9 \times U_1$
$I_{max}$ at 60°C	/A	0,75
Ambient temperature (storage & operation / mounting)		-40...+80 °C / -20...+80 °C max +40 °C
Wire cross section		0,5 ... 2,5 mm <sup>2</sup> / AWG20 ... AWG14
Tightening torque		0,45 Nm (4 lbf in)
Stripping length		7 mm

$U_1$  Input voltage (40...60 Hz)

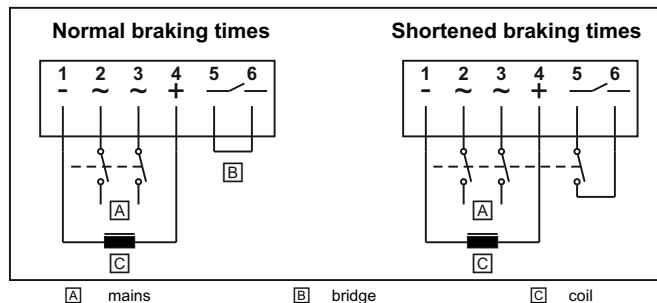
Type	Max. input voltage (+10 %) $U_{I_{max}}$ (40...60Hz) /V~	Switch-off voltage* (+40 %)* $U_1$ /V	Design
BEG-161-270	270	470	horizontal
BEG-162-270	270	470	vertical

\* Max. inductive voltage at DC-side switching; The switch-off voltage is always opposite to the applied coil voltage.

**Permissible current load at ambient temperature**



**Connection**



**Coil voltage selection**

Rated coil voltage	Function
$U_{Sp} = 0,9 \times U_1$	Operation of the brake with rated coil voltage
$U_{Sp}$ Rated coil voltage	$U_1$ Input voltage (40...60 Hz)

All rights reserved.

Modifications:

Drawn:	15.08.2023	Dunst
Checked:	15.08.2023	Küter

**Kendrion INTORQ GmbH**  
31855 Aerzen

Drawing No.	Page
<b>D.BEG.0002</b>	2
Id. no. 13128172 DE/EN	of
	2