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32 07322B40

UNIVERSAL COLLECTION

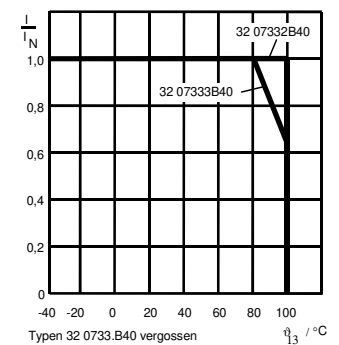
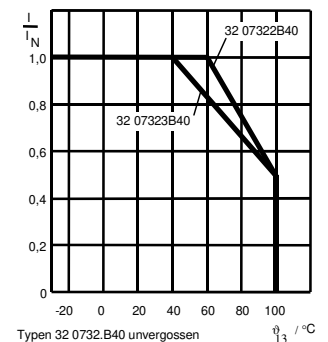
Single-phase rectifiers for universal use

These half-wave and bridge rectifiers are ideal for installation in the connection boxes of medium-power brake motors, brakes and solenoids. Accessories include flying leads and a variety of mounting hardware so that installation on DIN rails is also possible. Encapsulated versions offer an extended operating temperature range. In case of additional DC side fast disconnection, the induction voltage induced by inductive loads is internally limited.

Technical specifications

Type	Rectification	Rated input voltage	Max. output current at U_1	Output voltage	Design, temperature range	DC side switching, disconnection voltage	Installation	Connections
32..		U_1 / VAC (+10%)	I / ADC	U_2 / VDC	ϑ_{13} / °C	U_{0max} / V		
07322B40	half-wave	0 ... 240 400 500	2.0 1.5 1.2	$U_2 = 0.445 \cdot U_1$	standard, non-encapsulated -25 ... 100 reinforced, encapsulated -40 ... 100	350	screws, accessories	6 terminals max. 2.5 mm ²
07323B40	bridge			$U_2 = 0.890 \cdot U_1$				
07332B40	half-wave			$U_2 = 0.445 \cdot U_1$				
07333B40	bridge			$U_2 = 0.890 \cdot U_1$				

Max. current load



Accessories

Mounting rail

clip: **32 07322A00103**

Set of mounting clips for 35 mm mounting rail to EN 50022.

1 set per rectifier

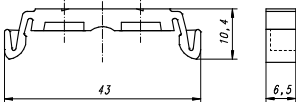


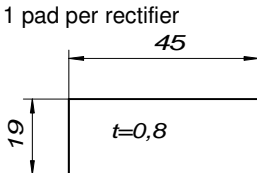
Figure similar to design

Adhesive pad: **32 07322A00104**

Double-sided adhesive tape for installation on smooth surfaces.

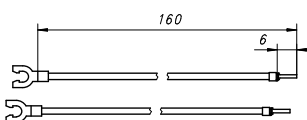
Dimensions 45 x 20 x 1 mm³.

1 pad per rectifier



Flying leads: **32 17221A03004**

Set of 2 flying leads with self-retaining fork cable lug M4, preferably for rectifier connection to motor terminal board.



CE

The specified products meet the requirements of the **EMC Directive 89/336/EEC**. Compliance with the following standards is confirmed: EN 55011

Group 1, Class A conducted interference, Group 1, Class B conducted radiation
DIN EN 61000-4-3 (1996) severity level 3
DIN EN 61000-4-4 (1995) severity level 3
DIN EN 61000-4-5 (1995) severity level 3

The specified products meet the requirements of the **Low Voltage Directive 73/23/EEC**. Compliance with the following standards is confirmed: HD 625.1 S1 (1996) EN 60529 (1991)

These products are considered components in the sense of the **Machinery Directive 98/37/EC** and must not be used until the machine in which they are incorporated is declared to conform to the requirements of the EC Directives.

ROHS

The specified products comply with **Directive 2002/95/EC (ROHS)**.

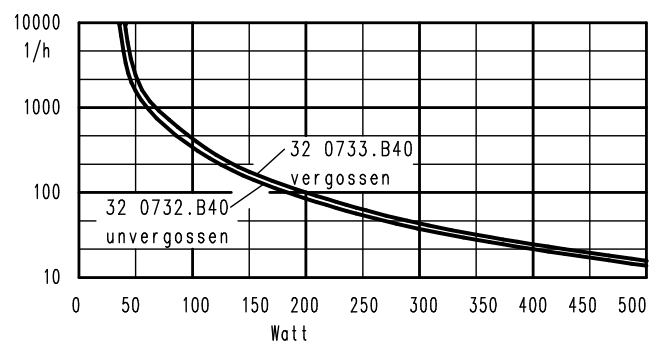
WEEE

The specified products are not intended for sale to end users. Manufacturers and users who incorporate the specified products into equipment and systems subject to Directive 2002/96/EC are not allowed to place them on the market unless they are declared to conform to the requirements of the EC Directives. The products are identified with the disposal symbol required under the Directive.

DC side switching

with resistive/inductive load for specific power (KENDRION series 76 431..H..) at $\vartheta_{13} \leq 40^\circ\text{C}$

Max. no. of switching operations



Protection

IP 00 to EN 60529

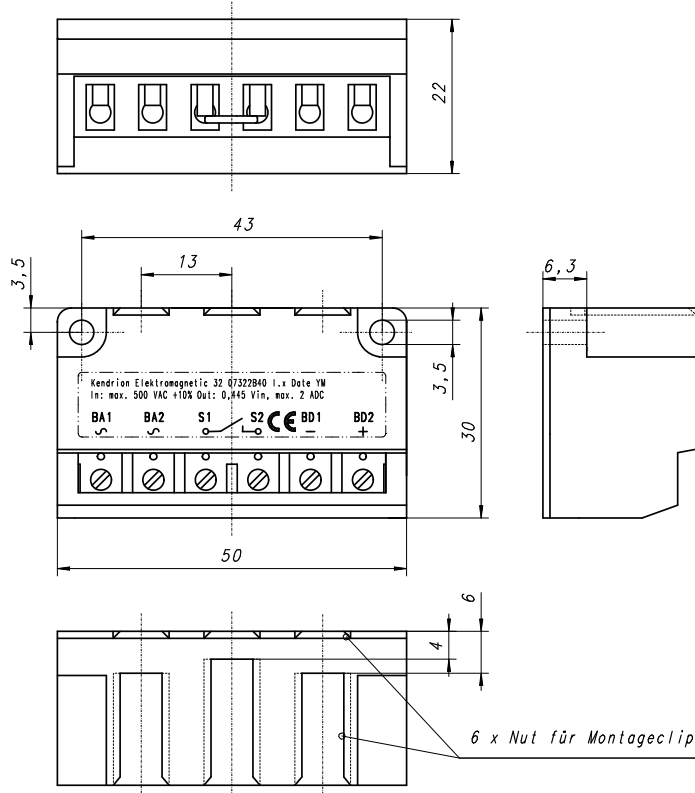
Subject to change without notice.

Please observe ordering data!

32 0732.B40, 32 0733.B40

Dimensions (mm)

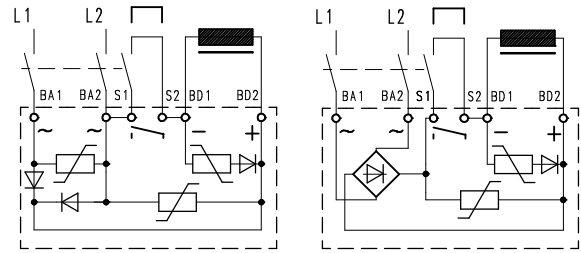
All types



Connection and block diagram

32 073.2B40

32 073.3B40



Connection and operation

Rectifiers with possible DC side switching are ideal for use with electromagnetic brakes of electric motors or with other electromagnetic components. The technical specifications depend on the connected loads and on their electric and mechanical properties. When electromagnetic brakes are operated in parallel with the motor without DC side

switching, brake engagement may be significantly delayed after disconnection due to the generator function of the motor. The mechanical time constants during brake release or engagement must be taken into consideration. The maximum switching frequency of the rectifier merely defines a limit value for the dissipated power that can be

absorbed by the rectifier.

Attention!

Rectifier operation must take place in such a way that the connected load is not overloaded and that any use of the load other than its intended use is avoided. Check that the rectifier pinout is correct. Incorrect connection would cause irreversible

damage to the rectifier. The rectifiers are not short-circuit proof. Output short-circuit to ground will destroy the rectifier.

Kendrion Binder Magnete GmbH Power Transmission

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Ordering example

- 2 = non-encapsulated standard version
- 3 = reinforced encapsulated version
- 2 = half-wave
- 3 = bridge

single-phase rectifier
32 073 . . B40

