



# MINICLAMP

## DUMPING CARDS (FOR DC BUS)



### MINICLAMP® (SHR)

Eurocard formatted multi-axis recovery system, designed to compliment the Minispeed and B17 servo amplifiers.

Typical applications are:  
Multi-axis DC or Brushless, motion control.

#### STANDARD FEATURES

- ✓ Single DC Power Supply
- ✓ Eurocard format
- ✓ Protected against:
  - over/under voltage
  - max braking power capacity
  - power resistor short circuiting
- ✓ Signaling leds:
  - OK (green)
  - PA = prealarm (orange)
  - MAX B = maximum braking (red)
- ✓ Dumping power:
  - up to 200W with internal resistors
  - up to 800W with external resistors

#### SPECIFICATIONS

- ✓ Operating temperature 0 ÷ 40 °C (32÷104°F)
- ✓ Humidity 10 ÷ 95 %

#### COUPLING

- ✓ SHR 60 with MS 60 / B17 A 60
- ✓ SHR 140 with MS 140 / B17 B 140
- ✓ SHR 200 with MS 200 / B17 C 200
- ✓ SHR 300 with B17 D 300



#### DESCRIPTION

The **Miniclamp**® is a Eurocard formatted dumping card for monitoring DC Bus power supplies of multi-axis **Minispeed**® or **B17**® rack systems.

The mechanical energy that comes back into the power supply's bus capacitors during braking, charges them.

To avoid the voltage reaching amplifiers over voltage the **Miniclamp**® discharges the energy on internal (up to 200 W) or external (up to 800 W) power resistors.

For correct sizing (rated power "W" size) contact Axor's technical department.

#### ACCESSORIES

(see specific data sheets for details)

- ✓ RACK MULTIAXIS (with internal power supply)
  - RKMS: 2÷10 axis + dumping slot (for MS drive)
  - RKB: 2÷6 axis + dumping slot (for B17 servo-drives)
- ✓ TRANSFORMERS
  - TM/TT: single/3ph, 100÷8000 Va
- ✓ NET FILTERS (for CE compliance)
  - FRM/FRT: single/3ph, 2÷16 Arms

MODEL	SHR 60				SHR 140					SHR 200					SHR 300			
	50	100	200	400	50	100	200	400	800	50	100	200	400	800	100	200	400	800
SIZE	50	100	200	400	50	100	200	400	800	50	100	200	400	800	100	200	400	800
WIDTH (TE)	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Rated Power (W)	50	100	200	400 <sup>R</sup>	50	100	200	400 <sup>R</sup>	800 <sup>R</sup>	50	100	200	400 <sup>R</sup>	800 <sup>R</sup>	100	200	400 <sup>R</sup>	800 <sup>R</sup>
FDC: Supply Line Fuse (T type= time-lag 5x20 mm)	5 A 250 V		8 A 250 V		6.3 A 250 V		10 A 250 V		10 A 250 V	5 A 250 V		8 A 250 V			ON BOARD FUSED			
DC Bus (Vdc)	63 Vdc ▲				140 Vdc ▲					200 Vdc ▲					300 Vdc ▲			

<sup>R</sup>: External power resistors

▲: Recommended DC power supply

Part number: D.S./1.00/SHR/01

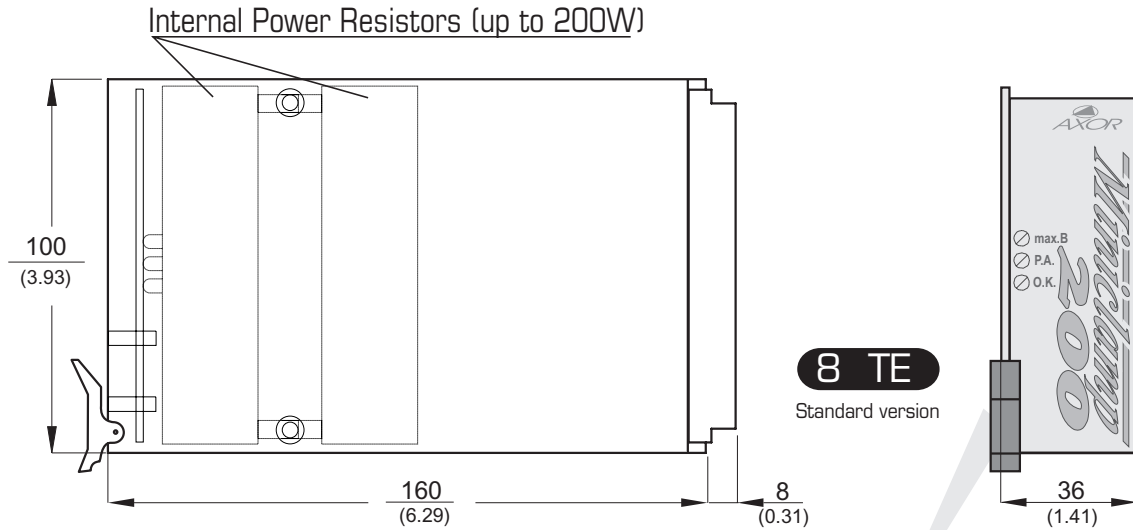
**MECHANICAL DIMENSIONS**

Drawings are not to scale (see quotations)

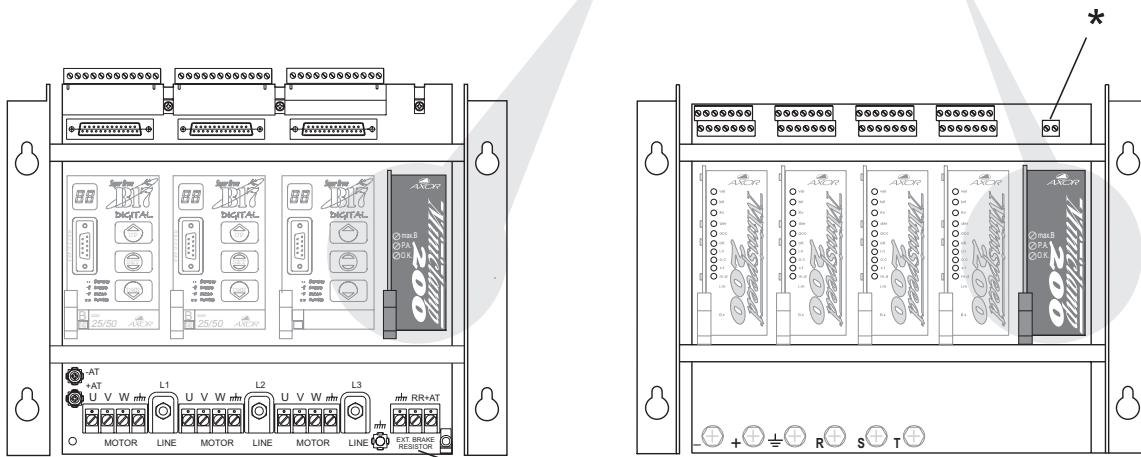
and **ELECTRICAL CONNECTIONS**

Weight: 0.3 Kg (0.65 Lbs) for 100÷200W  
0.5 Kg (1.1 Lbs) for 400÷400W

mm  
(INCHES)



The Miniclamp was specifically designed for use with multiaxis rack systems. To utilize the Miniclamp just insert it into a RKB or RKMS as illustrated below, it auto-enables and dumps recovery energy onto internal (up to 200 W) or external (up to 800 W) power resistors.



**RKB - B17 RACK SYSTEM**

**RKMS - MINISPEED RACK SYSTEM**

\*: Electrical connection for external power resistor (only with 400/800 W SHR sizes)



**ORDERING CODE**

Example:

**SHR - 200 - 200 - S - N**

**NAME:** Line of Dumping Cards

**MODEL:** 60 - 140 - 200 - 300

**SIZE:** 50 - 100 - 200 - 400 - 800 W  
internal resistors      external resistors

**PROTECTION:**  
S = Standard  
T = Tropicalized

**CUSTOM MADE:**  
N = Standard  
S = Special

Specifications subject to change without notice. This document has been carefully checked. However, Axor does not assume any liability for errors or inaccuracies.

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