

- » Digital servo controller for Servo Tube 25 and 38 series, as well as BG 66 dCore, BG 75 and BG 95 dCore with MR encoder
  - » Supply voltage 85 - 253 VAC
  - » For stand alone and slave operations
  - » Safety torque off function (STO)
  - » Feedback input for linear encoders (5V TTL)
  - » Configuration software
  - » BUS interfaces: CANopen | Profinet | EtherCAT
  - » Integrated brake resistor
- » Digitaler Servoregler für die Servo Tube 25 und 38 Baureihe, sowie BG 66 dCore, BG 75 und BG 95 dCore mit MR Geber
  - » Versorgungsspannung 85 - 253 VAC
  - » Für stand alone und slave Betrieb
  - » Funktion Safety Torque Off (STO)
  - » Feedback-Eingang für Lineargeber (BISS)
  - » Konfigurations-Software
  - » BUS-Schnittstellen: CANopen | Profinet | EtherCAT
  - » Integrierter Bremswiderstand

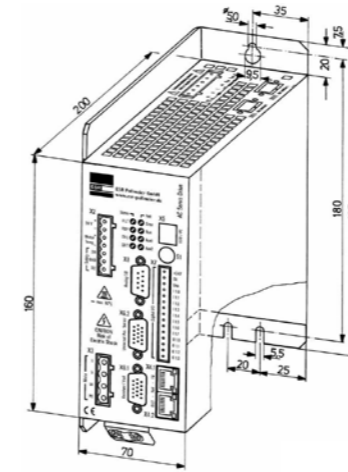


|                 |                                 |                            |                                   |              |                |               |                   |                           |                 |
|-----------------|---------------------------------|----------------------------|-----------------------------------|--------------|----------------|---------------|-------------------|---------------------------|-----------------|
|                 |                                 |                            |                                   |              |                |               |                   |                           |                 |
| IO mode         | CANopen version available       | Profinet version available | EtherCAT version available        | Speed mode   | Current mode   | Positioning   | Service interface | Sinusoidal vector control | Digital inputs  |
|                 |                                 |                            |                                   |              |                |               |                   |                           |                 |
| Digital outputs | Oscilloscope software available | Condition monitoring       | Safe torque off version available | Programmable | Supply voltage | Certification | Brake output      | Interpolation             | Ballast circuit |



EPLAN Data Portal

Dimensions in mm/ Maßzeichnung in mm



| Connectors/ Stecker | Connector description/ Steckerbelegung   |
|---------------------|--|
| X1                  | Power supply + brake resistor/ Leistungsversorgung + Bremswiderstand                         |
| X2                  | Electronic supply + functional safety (STO)/ Elektronikversorgung + Sicherheitstechnik (STO) |
| X3                  | Motor phases/ Motorphasen  |
| X4.1 + X4.2         | Field bus interface/ Feldbuschnittstelle   |
| X5                  | USB parameterization interface/ USB Konfigurationsschnittstelle                              |
| X6.2                | Motor feedback system (SIN/COS)/ Motor Lagergebersystem (SIN/COS)                            |
| X7                  | Digital inputs and outputs/ Digitale Ein- und Ausgänge                                       |

| Data/ Technische Daten   |        | DME 230x4-I/O             | DME 230x4-CAN             | DME 230x4-EC              | DME 230x4-PN              |
|--|--------|---------------------------|---------------------------|---------------------------|---------------------------|
| Nominal voltage power supply/ Versorgungsspannung Leistung                   | VAC    | 230 +/- 10%<br>50...60 Hz | 230 +/- 10%<br>50...60 Hz | 230 +/- 10%<br>50...60 Hz | 230 +/- 10%<br>50...60 Hz |
| Nominal DC-bus voltage/ Zwischenkreisspannung Leistung                       | VDC    | 325                       | 325                       | 325                       | 325                       |
| Nominal voltage electronic supply/ Versorgungsspannung Elektronik            | VDC    | 24 +/- 20%                | 24 +/- 20%                | 24 +/- 20%                | 24 +/- 20%                |
| Peak output current/ Maximaler Ausgangsstrom                                 | A peak | 17                        | 17                        | 17                        | 17                        |
| Continuous output current/ Zulässiger Dauerstrom                             | A rms  | 4                         | 4                         | 4                         | 4                         |
| Continuous consumption electronic/ Stromaufnahme Elektronik                  | A      | 0.4                       | 0.4                       | 0.4                       | 0.4                       |
| Operation modes/ Betriebsarten   | -      | Stand alone & Slave       | Slave                     | Slave                     | Slave                     |
| Standard interfaces/ Standard Schnittstellen                                 | -      | USB<br>CANopen            | USB<br>CANopen            | USB<br>EtherCAT           | USB<br>Profinet I/O       |
| Motor feedback inputs for Servo Tube/ Motorenencoder Eingänge für Servo Tube | -      | SIN/COS (1Vss)/BISS/TTL   | SIN/COS (1Vss)/BISS/TTL   | SIN/COS (1Vss)/BISS/TTL   | SIN/COS (1Vss)/BISS/TTL   |
| Motor feedback for BG Motors/ Motorenencoder für BG Motoren                  | -      | MR encoder                | MR encoder                | MR encoder                | MR encoder                |
| Digital input/ Digitale Eingänge   | -      | 8                         | 8                         | 8                         | 8                         |
| Digital output/ Digitale Ausgänge  | -      | 4                         | 4                         | 4                         | 4                         |
| Efficiency at rated operation/ Wirkungsgrad im Nennbetrieb                   | %      | 97.2                      | 97.2                      | 97.2                      | 97.2                      |
| Dimension (LxWxH)/ Abmessung (LxBxH)   | mm     | 70 x 195 x 200            | 70 x 195 x 200            | 70 x 195 x 200            | 70 x 195 x 200            |
| Weight/ Gewicht  | kg     | 1.6                       | 1.6                       | 1.6                       | 1.6                       |

Safety indices according to EN ISO 13849/ Sicherheitskennzahlen nach EN ISO 13849 PL = e  
 Safety indices according to EN 62061/EN 61508/ Sicherheitskennzahlen nach EN 62061/EN 61508 SIL = 3

Preferred series/ Vorzugsreihe Standard product/ Standardprodukt On request/ auf Anfrage See notes page 8/ Hinweise siehe S. 8