

CEM-125 Contact Expansion Module



Overview

The CEM-125 Contact Expansion Module delivers seamless 125 volt I/O for Basler excitation system controllers, enabling large and complex logic schemes while eliminating the need for costly external relays and devices. Designed for efficiency and simplicity, the CEM-125 reduces system footprint and streamlines system design.

Benefits

- Enables large and complex schemes, removing the need for external relays and reducing the total footprint of the system.
- Inputs can be paralleled when used with redundant systems, removing the need for interposing relays.
- Connects to compatible devices via CAN bus and automatically integrates into BESTCOMSPPlus® software for simple, quick configuration of complicated systems.

Features

- Ten galvanically-isolated and externally-wetted contact inputs
- Twenty-four contact outputs
- Inputs and outputs programmable through BESTCOMSPPlus® software
- CAN communication with controller
- Compatible with DECS-250, DECS-250E, DECS-250N, and DECS-450

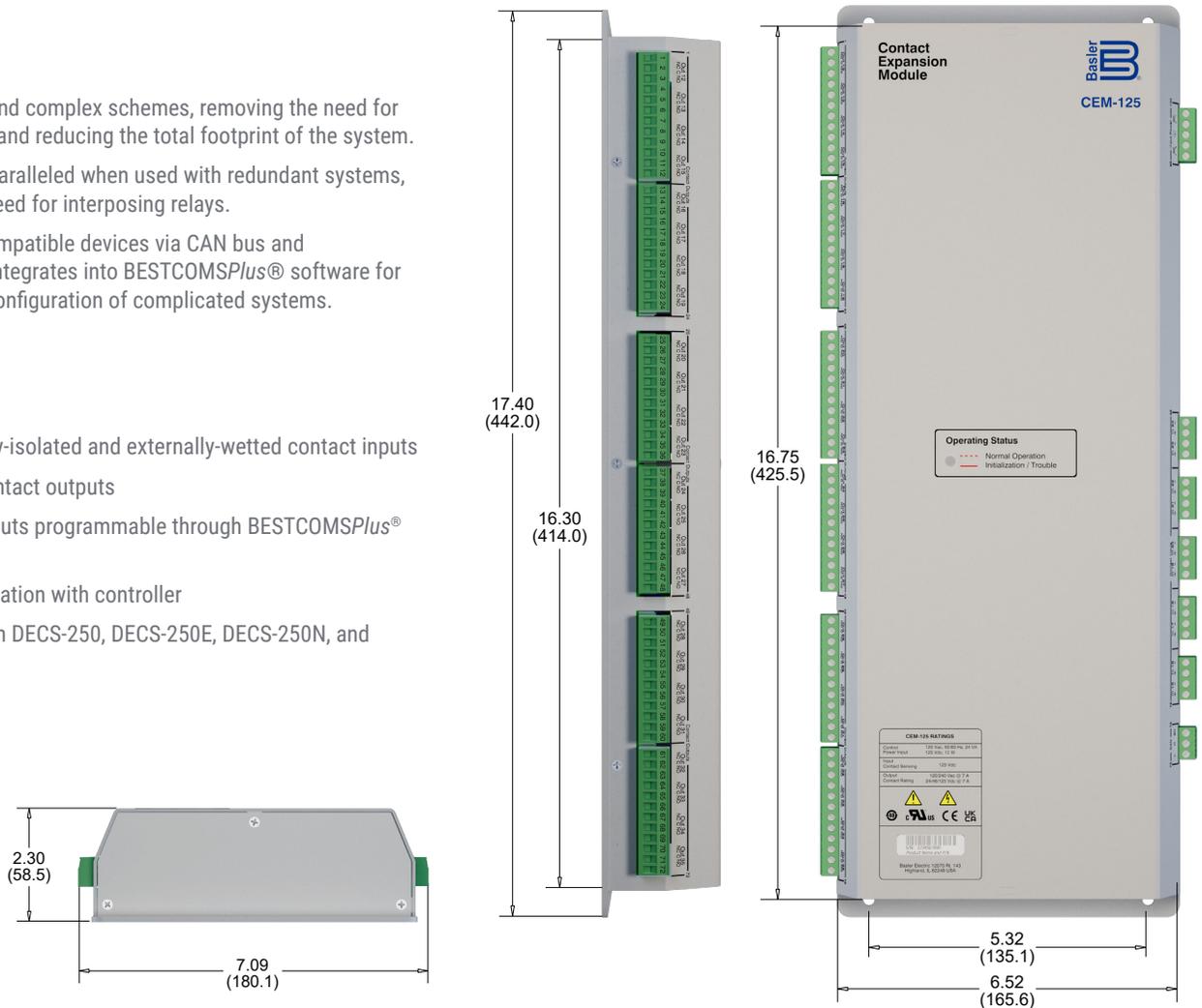


Figure 1 - CEM-125 Dimensions

Specifications

Power Supply

AC Input:	
Nominal Input:	120 Vac
Input Range:	82 to 132 Vac, 50/60 Hz
Burden:	24 VA

DC Input:

Nominal Input:	125 Vdc
Input Range:	90 to 150 Vdc
Burden:	12 W

Contact Inputs

Number of Inputs:	10
Programmable:	Yes
Nominal Input:	125 Vdc
Contact Type:	Externally wetted

Contact Outputs

Number of Outputs:	24
Type:	Form C
Make and Break Ratings (Resistive):	
24 Vdc:	7.0 Adc
48 Vdc:	0.7 Adc
125 Vdc:	0.2 Adc
120/240 Vac:	7.0 Aac
Carry Ratings (Resistive):	
24/48/125 Vdc:	7.0 Adc
120/240 Vac:	7.0 Aac

Physical

Weight:	4.58 lb (2.08 kg)
Dimensions (WxHxD):	6.52 x 17.40 x 2.30 inches (165.6 x 442.0 x 58.5 mm)

Communication

CAN Bus:	
Communication Rate:	125 or 250 kbps

Agency/Certifications

cURus, UL 6200:2019, CE and UKCA EMC and LVD compliant, China RoHS compliant, REACH compliant

Environmental

Operating Temp:	-40°C to 70°C (-40 to +158°F)
Storage Temp:	-40°C to 85°C (-40 to +185°F)
Humidity:	IEC 60068-2-78
Salt Fog:	IEC 60068-2-52
Vibration:	
5 to 29 Hz:	1.5 G peak for 5 min.
29 to 52 Hz:	0.036 in. double amplitude for 2.5 min.
52 to 500 Hz:	5 G peak for 7.5 min.
Shock:	15 G in three perpendicular planes

Related Products

AEM-2020 Analog Expansion Module

Provides additional metering and control with external peripherals through analog I/O.

CEM-2020 Contact Expansion Module

Provides additional contact 24 V I/O for large or complex logic schemes.

DECS-250 Digital Excitation Control System

Provides precise voltage, var and Power Factor regulation, exceptional system response, and generator protection.

DECS-250N Digital Excitation Control System with Negative Forcing

Provides the same functionality as the DECS-250 with negative field-forcing capabilities.

DECS-250E Digital Excitation Control System

Provides accurate and reliable regulation, control, and protection for synchronous motors or generators.

DECS-450 Digital Excitation Control System

A versatile digital excitation control system for synchronous generators and motors.

