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# ENHANCED TORQUE AND TENSION SUB WITH INTEGRATED TURNS

## SD50-H Display Controller

SD50-H combines extreme durability and high performance to serve as our premier display controller for measurement and monitoring in hazardous areas. Designed for maximum configuration flexibility, SD50-H is also a natural choice for OEM and custom applications.

In addition to a variety of hazardous area certifications, SD50-H improves upon the standard SD50 by including a bezel with enhanced shatter resistance and tool-safe connector locking technology.



| Power Requirements |                  |
|--------------------|------------------|
| <b>Voltage DC</b>  | 10.5 to 28.0 VDC |
| <b>Current DC</b>  | 1.2 A max        |
| <b>Voltage AC</b>  | 120 VAC          |
| <b>Current AC</b>  | 0.3 A max        |

| Temperature Ranges |              |
|--------------------|--------------|
| <b>Operating</b>   | 40 TO 165 °F |
| <b>Storage</b>     | 40 TO 185 °F |

| Enclosure       |                      |
|-----------------|----------------------|
| <b>Material</b> | 316 St ainless Steel |
| <b>Height</b>   | 6.56 in              |
| <b>Width</b>    | 9.56 in              |
| <b>Depth</b>    | 5.06 in              |
| <b>Weight</b>   | 17 lbs               |

| Certifications   |  |
|--|--|
| <b>Class I, Division II, Grp C, D T4 (-40C&lt;Ta&lt;75C)</b> |  |
| <b>Enclosure Rating</b>                                      | NEMA 4X, IP66                                    |
| <b>Conforms To</b>   | ANSI/ISA 12.12.01, ANSI/UL 61010-1               |
| <b>Certified To</b>  | CAN/CSA C22.2 No. 61010-1, CAN/CSA C22.2 No. 213 |

## Features

- Digital sensor network
  - Manages a network of up to 16 wired or wireless devices, which include mV/V, mA, quadrature, digital and a variety of application-specific sensors
  - Improved noise immunity insures measurement fidelity
  - Simplified network schema reduces cabling costs and setup time
- Advanced Multi-Controller Setup allows seamless integration of additional LMC or SDO controllers
- Interfaces include Ethernet (TCP/IP, UDP, FTP and Webserver) and RS485 (ASCII or binary)
- SD card slot provides onboard data logging
- Internally protected against transient voltages and polarity reversal