



EDS factory sealed enclosures

Engineered for harsh and hazardous applications

EDS factory sealed pushbutton, selector switch and pilot light enclosures are used for control in harsh and hazardous environments.

Applications:

- To prevent arcing of enclosed device in areas which are hazardous due to the presence of flammable gases and vapors, or combustible dust
- Installation in industrial areas, such as: chemical plants, oil and gas refineries, paint and varnish manufacturing plants, gasoline bulk loading terminals, grain elevators, grain processing industries, coal processing or handling areas, or metal handling or finishing areas where atmosphere may contain hazardous gases and/or dust
- In conjunction with magnetic starters or contactors for remote control of motors and other electrical products
- In non-hazardous areas where rugged enclosures are required

Key features & benefits:

- Certified for -50°C to +60°C, Class I environments (with XT option)
- Factory sealed devices eliminate external seals, reduce installation time and provide improved safety
- Momentary contact pushbuttons, maintained contact pushbuttons, 2- and 3-position selector switches and pilot lights provide a variety of configurations
- Standard neoprene covers for front operated pushbutton prevent accumulation of dirt and entrance of water around operating shafts
- ½", ¾", or 1" dead end or through feed conduit hubs with integral bushing for protection of wire insulation
- Lightweight copper-free aluminum covers and bodies for safe, reliable operation in industrial applications

Options:

- Extended temperature range: -50°C to +60°C (XT suffix)

Conduit seal requirements (Class I, Division 1):

| Model | Standard models | XT suffix |
|-----------------------|---|-------------|
| EDS Groups C, D | None | Within 1.5" |
| EDS GB suffix Group B | Within 1.5" | Not allowed |
| EFS Groups B, C, D | Within 5 ft. on 1" conduit; None for ½" or ¾" hub size | Within 18" |

No seals required in Class I, Division 2 applications



Certifications:

- Class I, Divisions 1 & 2, Groups B*, C, D
- Class II, Divisions 1 & 2, Groups E, F, G
- Class III
- Class I, Zones 1 & 2, Group IIB
- NEMA: 3R, 7B*CD, 9EFG, 12
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- UL/cUL certified for -50°C to +60°C
- SASO Certificate of Conformity

* Class I, Division 1 – All EFS; EDS with GB suffix
Class I, Division 2 – All EFS; all EDS

Materials:

- Bodies, covers:
- Copper-free aluminum
- Operating shafts, bearings:
- Stainless steel
- Pushbuttons, guards:
- Type 6/6 nylon

Electrical ratings:

- Pushbuttons and selector switches – 600 VAC heavy duty (NEMA A600)
- Pilot lights – 120 VAC

Common configurations:

| Part number | Description |
|-------------------|---|
| DSD918 SA XT | DSD cover with single pushbutton |
| DSD918 SA S769 XT | DSD cover with single emergency stop pushbutton |
| DSD922 SA XT | DSD cover with two pushbuttons |
| DSD923 SA XT | DSD cover with 2-position selector switch |
| DSD925 SA XT | DSD cover with 3-position selector switch |
| EDS2184 SA XT | EDS (fully assembled) with single pushbutton |
| EDS215 SA XT | EDS (fully assembled) with two pushbuttons |
| DS441 SA XT | DS cover with single hole |
| DS442 SA XT | DS cover with two holes |