

# DI 724F

## Freelance hardware selector



The S700 I/O family can be used as direct I/O for AC 700F and AC 900F Freelance controllers or as PROFIBUS remote I/O with AC 700F, AC 900F, or other PROFIBUS Masters.

S700 I/O has a small footprint - the modules are featured with a high packing density, and several modules are available with inputs and outputs mixed in one module. These modules cover a wide variety of applications and give maximum flexibility. The S700 I/O is compliant with cULus and certified for installation in hazardous locations according to UL Class I, Division 2 (Groups A, B, C, and D). The digital input module DI 724F has 32 channels.

### Features and benefits

- 32 digital inputs 24V DC in four groups (1.0...4.7)
- as direct I/O and PROFIBUS I/O

#### General info

|                    |                 |
|--------------------|-----------------|
| Article number     | 3BDH000374R0005 |
| Type               | Digital Input   |
| Life cycle status  | Active          |
| Number of channels | 32              |
| Signal type        | Digital Input   |
| HART               | No              |
| SOE                | No              |
| Redundancy         | No              |
| Mechanics          | S700            |

#### Detailed data

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Input voltage range, "0"           | -30 V...+5 V                         |
| Input voltage range, "1"           | +13 V...+30 V                        |
| Maximum field cable length         | 1000 m (shielded), 600m (unshielded) |
| Common mode voltage input          | 24 VDC                               |
| Power dissipation                  | 6 W                                  |
| Current consumption +24 V external | 0.15 A                               |

| <b>Diagnostics</b> |  |
|--------------------|--|
| Front LED's        | 40 LEDs for signals and error indication. One yellow LED per channel, the LED is ON when the input/output signal is high (signal 1). |

| <b>Environment and certification</b> |   |
|--------------------------------------|---|
| CE mark                              | Yes   |
| Electrical safety                    | EN 50178, IEC 61131-2, UL 61010-1, UL 61010-2-201 |
| Hazardous Location                   | cULus Class 1 Div 2                               |
| Protection rating                    | IP20  |
| Climatic operating conditions        | Operation 0 ... +60 °C, Storage -40 ... +70 °C    |
| RoHS compliance                      | Directive 2011/65/EU                              |
| WEEE compliance                      | DIRECTIVE/2012/19/EU                              |

| <b>Dimensions</b> |         |
|-------------------|---------|
| Width             | 67.5 mm |
| Depth             | 76 mm   |
| Height            | 54 mm   |
| Weight            | 105 g   |

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