

\*\*\* SPARE PART\*\*\* SIMATIC DP, EXPANSION MODULE EM 141, ET 200X, 8DI 24V DC, 5-PIN M12, DOUBLE-ASSIGNMENT PROTECTION IP65, FOR ALL BASIC MODULES

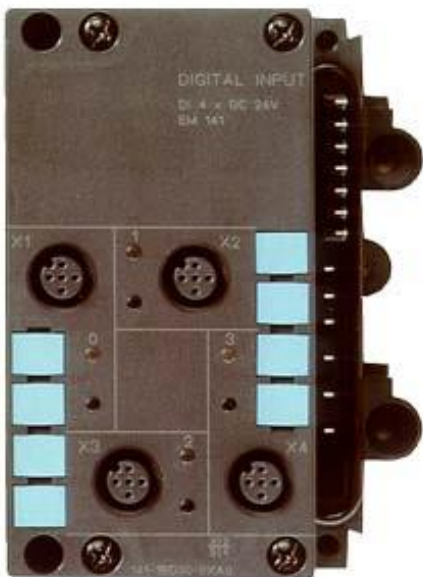


Figure similar

| Input current                                                   |                 |
|-----------------------------------------------------------------|-----------------|
| from backplane bus 5 V DC, max.                                 | 16 mA           |
| Encoder supply                                                  |                 |
| Number of outputs                                               | 4               |
| Short-circuit protection                                        | Yes; Electronic |
| Output current                                                  |                 |
| • up to 40 °C, max.                                             | 0.9 A           |
| • up to 55 °C, max.                                             | 0.7 A           |
| Power loss                                                      |                 |
| Power loss, typ.                                                | 1.5 W           |
| Digital inputs                                                  |                 |
| Number of digital inputs                                        | 8               |
| Input characteristic curve in accordance with IEC 61131, type 1 | Yes             |
| Number of simultaneously controllable inputs                    |                 |
| all mounting positions                                          |                 |

|                                                       |                           |
|-------------------------------------------------------|---------------------------|
| — up to 55 °C, max.                                   | 8                         |
| <b>Input voltage</b>                                  |                           |
| • Rated value (DC)                                    | 24 V                      |
| • for signal "0"                                      | -3 to +5V                 |
| • for signal "1"                                      | 13 to 30V                 |
| <b>Input current</b>                                  |                           |
| • for signal "1", typ.                                | 7 mA                      |
| <b>Input delay (for rated value of input voltage)</b> |                           |
| for standard inputs                                   |                           |
| — at "0" to "1", min.                                 | 1.2 ms                    |
| — at "0" to "1", max.                                 | 4.8 ms                    |
| — at "1" to "0", min.                                 | 1.2 ms                    |
| — at "1" to "0", max.                                 | 4.8 µs                    |
| <b>Cable length</b>                                   |                           |
| • unshielded, max.                                    | 30 m                      |
| <b>Encoder</b>                                        |                           |
| <b>Connectable encoders</b>                           |                           |
| • 2-wire sensor                                       | Yes                       |
| — permissible quiescent current (2-wire sensor), max. | 1.5 mA                    |
| <b>Potential separation</b>                           |                           |
| <b>Potential separation digital inputs</b>            |                           |
| • Potential separation digital inputs                 | No                        |
| <b>Dimensions</b>                                     |                           |
| Width                                                 | 87 mm; Width module 60 mm |
| Height                                                | 110 mm                    |
| Depth                                                 | 55 mm                     |
| <b>Weights</b>                                        |                           |
| Weight, approx.                                       | 250 g                     |
| <b>last modified:</b>                                 | 08/12/2017                |