

SIPLUS S7-1200 SM 1226 F-DQ 2x relay -25...+55 °C with conformal coating based on 6ES7226-6RA32-0XB0 . F-DQ 2x RLY 5A, PROFIsafe, 70 mm overall width, up to PL E (ISO 13849-1)/ SIL3 (IEC 61508)



Figure similar

| General information | |
|--|----------------------------|
| Product type designation | SM 1226, F-DQ 2x relay/5 A |
| Supply voltage | |
| Rated value (DC) | Yes |
| <ul style="list-style-type: none"> • 24 V DC | |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Input current | |
| from backplane bus 5 V DC, max. | 120 mA |
| Digital outputs | |
| <ul style="list-style-type: none"> • from load voltage L+, max. | 300 mA |
| Power loss | |
| Power loss, typ. | 10 W |
| Digital outputs | |
| Output voltage | |
| <ul style="list-style-type: none"> • Rated value (DC) | 5 V DC to 30 V DC |

| | |
|---|--|
| • Rated value (AC) | 5 V AC to 250 V AC |
| Output current | |
| • for signal "1" permissible range, max. | 5 A maximum per circuit and 10 A maximum of all circuits per module |
| Relay outputs | |
| • Number of relay outputs | 2; 2 circuits per output |
| Switching capacity of contacts | |
| — with inductive load, max. | 0.1 Hz, accordance with IEC 60947-5-1, DC-13; 2 Hz, accordance with IEC 60947-5-1, AC-15 |
| — with resistive load, max. | 2 Hz |
| Cable length | |
| • shielded, max. | 200 m |
| • unshielded, max. | 200 m |
| Interrupts/diagnostics/status information | |
| Diagnostics indication LED | |
| • for status of the outputs | Yes |
| Standards, approvals, certificates | |
| CE mark | Yes |
| cULus | Yes |
| FM approval | No |
| Highest safety class achievable in safety mode | |
| • Performance level according to ISO 13849-1 | Category 4, PL e |
| • SIL acc. to IEC 61508 | SIL 3 |
| Ambient conditions | |
| Free fall | |
| • Fall height, max. | 0.3 m; five times, in product package |
| Ambient temperature during operation | |
| • min. | -25 °C; = Tmin |
| • max. | 55 °C; = Tmax |
| • permissible temperature change | 5°C to 55°C, 3°C / minute |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Altitude during operation relating to sea level | |
| • Installation altitude above sea level, max. | 2 000 m |
| • Ambient air temperature-barometric pressure-altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) |
| Relative humidity | |
| • With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions) |
| Resistance | |
| Coolants and lubricants | |

| | |
|--|--|
| — Resistant to commercially available coolants and lubricants | Yes |
| Use in stationary industrial systems | |
| — to biologically active substances according to EN 60721-3-3 | Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request |
| — to chemically active substances according to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| — to mechanically active substances according to EN 60721-3-3 | Yes; Class 3S4 incl. sand, dust, * |
| Use on ships/at sea | |
| — to biologically active substances according to EN 60721-3-6 | Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request |
| — to chemically active substances according to EN 60721-3-6 | Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| — to mechanically active substances according to EN 60721-3-6 | Yes; Class 6S3 incl. sand, dust; * |
| from supply voltage 1L+ | |
| — Note regarding classification of environmental conditions acc. to EN 60721 | * The supplied plug covers must remain in place over the unused interfaces during operation! |

Mechanics/material

| | |
|----------------------------|-----|
| Enclosure material (front) | |
| • Plastic | Yes |

Dimensions

| | |
|--------|--------|
| Width | 70 mm |
| Height | 100 mm |
| Depth | 75 mm |

Weights

| | |
|-----------------------|------------|
| Weight, approx. | 300 g |
| last modified: | 05/18/2018 |