



Electric Automation
Automation specialists

Referencia: NSO02DB24SA

Parámetros seleccionados FUNCIÓN Verja de seguridad
CATEGORÍA SEGURIDAD 4 SALIDA DE SEGURIDAD 2 NA Otros
TAMAÑO 22 mm CONEXIONES A tornillo fijo ALIMENTACIÓN 24
VCA/CC MONTAJE Carril DIN OTROS 2 entradas NA

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Safety Modules

Safety Gate and Safety Magnetic Sensor

Types NSO02D, NSO13D

Screw, fixed Screw, detachable

- Safety Category 4, Performance Level e, according to EN 13849-1
- Safety Category 4 according to EN 954-1
- Category 0 Emergency Stop (EN 60204-1)
- Input type: 2 NO
- 2 x 6 A NO safety outputs (NSO02D)
- 3 x 6 A NO safety outputs and 1 x 6 A NC auxiliary out- put (NSO13D)
- Automatic / manual or monitored manual reset
- Single / double channel operations
- LED indication for outputs status and power supply ON
- Connection by fixed or detachable terminals
- For mounting on DIN-rail in accordance with DIN/EN 50 022

- 22.5 mm Euronorm housing

Product Description Ordering Key N SO 0 2 D B24 S A

Safety gate and safety mag- netic sensor modules accord- ing to EN 60204-1, EN 292-

1/-2, EN 418 and EN1088. This family of safety module in Safety Category 4, Per- formance Level e, includes

Type Selection

fixed screw and detachable screw as well as automat- ic/manual or monitored manual restart versions.

Housing Function Auxiliary outputs Safety outputs Safety category Power supply
Terminals Start/Reset type

Auxiliary Safety Terminals Start/Reset type Supply: 24 VAC/DC
outputs outputs

2 NO Screw, fixed Automatic / Manual N SO 0 2 D B24 S A

2 NO Screw, fixed Monitored manual N SO 0 2 D B24 S C
2 NO Screw, detachable Automatic / Manual N SO 0 2 D B24 D A
2 NO Screw, detachable Monitored manual N SO 0 2 D B24 D C
1 NC 3 NO Screw, fixed Automatic / Manual N SO 1 3 D B24 S A
1 NC 3 NO Screw, fixed Monitored manual N SO 1 3 D B24 S C
1 NC 3 NO Screw, detachable Automatic / Manual N SO 1 3 D B24 D A
1 NC 3 NO Screw, detachable Monitored manual N SO 1 3 D B24 D C

Time Specifications

Delay ON energisation < 150 ms Delay ON de-energisation < 30 ms Recovery time \geq 30 ms Channel simultaneity

during outputs closing Infinite

Input operating to START

operating delay

NSO...C > 500 ms

Input specifications

Function 2 NO, voltage free

Input current

Terminals S11-S12 max 10 mA Terminals S21-S22 max 10 mA

Output Specifications

Safety outputs Category 4, Performance

Level e (EN 13849-1) NSO02D 2 NO (13-14, 23-24) NSO13D 3 NO (13-14, 23-24, 33-34)

Auxiliary output

NSO13D 1 NC (41-42)

Rated insulation voltage 250 VAC (rms)

Contact ratings (AgSnO₂) 2 μ m Au

Safety outputs

Resistive loads AC1 6 A @ 230 VAC DC12 6 A @ 24 VDC

Small inductive loads AC15 3 A @ 230 VAC DC13 2.5 A @ 24 VDC

Auxiliary output 6A, 24 VAC/DC

External contact fuse

protection 5 A fast, 4 A slow

Mechanical life > 107 operations Electrical life > 105 operations Dielectric strength

Dielectric voltage 4 kVAC (rms)

Specifications are subject to change without notice (15.01.10) 1