



D4SL-N2NFG-DN

Guard lock safety door switch, G1/2 conduit, 2NC/1NO+2NC/1NO, resin head, solenoid lock, connector

Specifications

Door switch type	Key-operated
Guard-lock	✓
Material housing	Plastic
Material head	Resin
Ambient temperature (operating)	-10-55 °C
Holding force	1300 N
Direction of operation	Adjustable
Door contacts NC	2
Door contacts NO	1
Lock monitor contacts NC	2
Lock monitor contacts NO	1
Lock/Release key type	Standard key
Lock/Release key position	Front + Back
Lock/Release key material	Metal
Solenoid voltage	24 V
LED indicator	✓
Connection method	System connector
Cable length	0 m
Degree of protection (IP)	IP67
Conduit size	G1/2
Number of conduits	1
Shape	Cuboid
Overall length of sensor	155 mm

Height of sensor	39 mm
Width of sensor	39 mm
Lock/Release logic	Power to lock (Solenoid lock)

Accessories

	D4SL-CN10	Guard lock safety-door switch accessory, D4SL-N, connector cable 10 m
	D4SL-CN3	Guard lock safety-door switch accessory, D4SL-N, connector cable 3m
	D4SL-CN5	Guard lock safety-door switch accessory, D4SL-N, connector cable 5m
	D4SL-NK1	Operation key for D4SL-N; horizontal mounting
	D4SL-NK1G	Operation key for D4SL-N; horizontal mounting, cushion rubber
	D4SL-NK1S	Operation key for D4SL-N; horizontal mounting, no cushion rubber (short type)
	D4SL-NK2	Operation key for D4SL-N; vertical mounting
	D4SL-NK2G	Operation key for D4SL-N; vertical mounting, cushion rubber
	D4SL-NK3	Operation key for D4SL-N; adjustable mounting (horizontal)
	D4SL-NK5	Operation key for D4SL-N; adjustable (horizontal/vertical)



D4SL-NSK10-LK

D4SL-N slide/lockout key system, without inner lever



D4SL-NSK10-LKH

D4SLN slide/lockout key system, with inner lever

Downloads

CAD Library



D4SL-N Guard Lock Safety-door Switch Datasheet

EN PDF 6.09 MB



EAC Mark removal Discontinuation Notice

EN PDF 221 KB



Machine Safety Catalogue

EN PDF 9.91 MB



Machine Safety Solution Brochure

EN PDF 2.86 MB



Safety Component Selection Guide EU Brochure

EN PDF 5.26 MB



Safety Interlock Switches Brochure

EN PDF 1.52 MB



Safety Solution Advanced Guide Guide

EN PDF 2.57 MB



Safety Solution Basic Guide Guide

EN PDF 14.4 MB

TERMS OF WEBSITE USE

This PDF document was created from the European OMRON Industrial Automation website on 1 November, 2025. Click here for [terms of use](#).

OMRON

INDUSTRIAL AUTOMATION | [INDUSTRIAL.OMRON.EU](https://www.industrial.omron.eu)