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Safety door hinge switch

D4NH safety-door hinge switches are available with one or two built-in contacts, shaft or arm lever actuator and various conduit types, e.g. M20.

- Direct opening mechanism
- Shaft or arm lever actuator
- Wide temperature range
- Metric conduit and M12 connector types are available

Ordering information

Switches

Actuator	Conduit size		Built-in switch mechanism		
			1NC/1NO (slow-action)	2NC (slow-action)	2NC/1NO (slow-action)
Shaft	1-conduit	M20	D4NH-4AAS	D4NH-4BAS	D4NH-4CAS
		M12 connector	D4NH-9AAS	D4NH-9BAS	–
Arm lever	1-conduit	M20	D4NH-4ABC	D4NH-4BBC	D4NH-4CBC
		M12 connector	D4NH-9ABC	D4NH-9BBC	–

Actuator	Conduit size		Built-in switch mechanism		
			3NC (slow-action)	1NC/1NO MBB (slow-action)	2NC/1NO MBB (slow-action)
Shaft	1-conduit	M20	D4NH-4DAS	D4NH-4EAS	D4NH-4FAS
		M12 connector	–	D4NH-9EAS	–
Arm lever	1-conduit	M20	D4NH-4DBC	D4NH-4EBC	D4NH-4FBC
		M12 connector	–	D4NH-9EBC	–

Specifications

Degree of protection		IP67 (EN60947-5-1)
Durability	**Mechanical**	1,000,000 operations min.
	Electrical	500,000 operations min. for a resistive load of 3 A at 250 VAC 300,000 operations min. for a resistive load of 10 A at 250 VAC
Operating speed		2 to 360°/s
Operating frequency		30 operations/minute max.
Protection against electric shock		Class II (double insulation)
Pollution degree (operating environment)		3 (EN60947-5-1)
Contact gap		Snap-action: 2 × 9.5 mm min Slow-action: 2 × 2 mm min
Conditional short-circuit current		100 A (EN60947-5-1)
Rated open thermal current (I_{th})		10 A (EN60947-5-1)
Ambient temperature		Operating: –30°C to 70°C with no icing

Automatización Eléctrica
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Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, click on the green button.

Product	Code	Reference	Product link
Security Product, Plastic hinge axis 1NC / 1NO slow-action M20	170732	D4NH-4AAS	Buy on EAN
Security Product, Plastic hinge axis M20 2NC slow Rupture	170748	D4NH-4BAS	Buy on EAN
Security Product, Plastic hinge lever M12 2NC slow Rupture	170757	D4NH-9BBC	Buy on EAN
Security Product, Plastic 2NC slow Rupture hinge lever M20	170756	D4NH-4BBC	Buy on EAN
Security Product, Plastic hinge axis 1NC / 1NO slow-action MBB M20	170797	D4NH-4EAS	Buy on EAN
Safety door-hinge switch, Shaft Actuator, M12 2 x Conduit, 1NC/1NO (slow-action)	170733	D4NH-9AAS	Buy on EAN
Security Product, Plastic 1NC / 1NO slow-action hinge lever M20	170740	D4NH-4ABC	Buy on EAN
Security Product, Plastic hinge axis 2NC / 1NO slow-action M20	170765	D4NH-4CAS	Buy on EAN