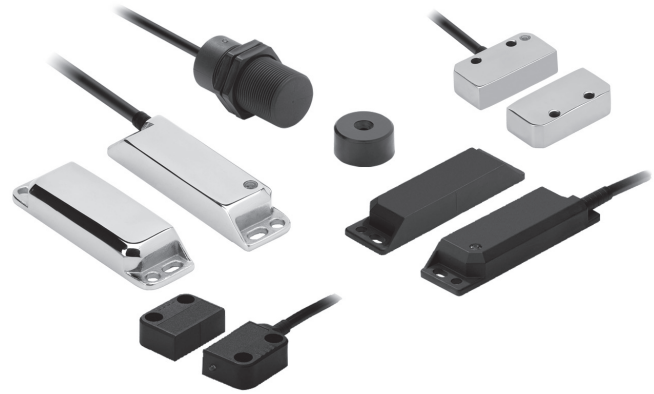


Hall Effect Coded Magnet Non-contact Safety Switches

D40P

Hall effect coded magnet non-contact switches monitor the status of guarding doors. Stainless steel housings for high hygiene demands in the food industry are available.

- Solid state design uses Hall effect technology for long life operation with no mechanical parts to wear
- LED indicates operation state
- Operates with all OMRON safety controllers
- Operates behind stainless steel fittings
- IP69K versions suitable for high pressure cleaning and CIP/SIP processes. Special food types have blind mounting holes to minimize debris collection.
- Conforms to safety categories up to PLe acc. EN ISO13849-1
- Connect up to 20 switches in series, up to PLd acc. EN ISO 13849-1



Model Number Structure

D40P-□□C-21-□-□
1 2 3 4

1. Type

L: Elongated Sensor
S: Small Sensor
M: Miniature Sensor
B: Barrel Sensor

2. Housing Material

P: Plastic Housing
M: Stainless Steel Housing
H: Hygienic designed Stainless Steel Housing
F: Special Food Type Stainless Steel Housing

3. Cable Length/Connection



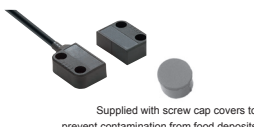







05: 5 m Cable
10: 10 m Cable
M12: M12 male connector, 8 pin, fitted with 250 mm cable

4. Cable Exit Direction*

L: Exit to the left
R: Exit to the right

* only for D40P-MPC and D40P-MHC

Ordering Information

Polyester Housing				
Type	Cable Connection	Contact Configuration	Model	
Elongated Sensors 	5 m pre-wired	2NC/1NO	D40P-LPC-21-05	
	10 m pre-wired		D40P-LPC-21-10	
	M12, 8 pin, fitted with 250 mm cable		D40P-LPC-21-M12	
Small Sensors 	5 m pre-wired		D40P-SPC-21-05	
	10 m pre-wired		D40P-SPC-21-10	
	M12, 8 pin, fitted with 250 mm cable		D40P-SPC-21-M12	
Miniature Sensors (cable exit right shown)  <small>Supplied with screw cap covers to prevent contamination from food deposits</small>	5 m pre-wired cable, exit left		D40P-MPC-21-05-L	
	10 m pre-wired cable, exit left		D40P-MPC-21-10-L	
	M12, 8 pin, fitted with 250 mm cable, exit left		D40P-MPC-21-M12-L	
	5 m pre-wired cable, exit right		D40P-MPC-21-05-R	
	10 m pre-wired cable, exit right		D40P-MPC-21-10-R	
	M12, 8 pin, fitted with 250 mm cable, exit right		D40P-MPC-21-M12-R	
Barrel Sensors 	5 m pre-wired	D40P-BPC-21-05		
	10 m pre-wired	D40P-BPC-21-10		
	M12, 8 pin, fitted with 250 mm cable	D40P-BPC-21-M12		
Stainless Steel Housing (Through hole mounting suitable for food splash zones)				
Type	Cable Connection	Contact Configuration	Model	
Elongated Sensors 	5 m pre-wired	2NC/1NO	D40P-LMC-21-05	
	10 m pre-wired		D40P-LMC-21-10	
	M12, 8 pin, fitted with 250 mm cable		D40P-LMC-21-M12	
Small Sensors 	5 m pre-wired		D40P-SMC-21-05	
	10 m pre-wired		D40P-SMC-21-10	
	M12, 8 pin, fitted with 250 mm cable		D40P-SMC-21-M12	
Barrel Sensors 	5 m pre-wired		D40P-BMC-21-05	
	10 m pre-wired		D40P-BMC-21-10	
	M12, 8 pin, fitted with 250 mm cable		D40P-BMC-21-M12	
Hygienic (Through M4 mounting holes, suitable for food contact zones)				
Type	Cable Connection		Contact Configuration	Model
Small Sensors 	5 m pre-wired		2NC/1NO	D40P-SHC-21-05
	10 m pre-wired	D40P-SHC-21-10		
	M12, 8 pin, fitted with 250 mm cable	D40P-SHC-21-M12		
Miniature Sensors (cable exit right shown) 	5 m pre-wired cable, exit left	D40P-MHC-21-05-L		
	10 m pre-wired cable, exit left	D40P-MHC-21-10-L		
	M12, 8 pin, fitted with 250 mm cable, exit left	D40P-MHC-21-M12-L		
	5 m pre-wired cable, exit right	D40P-MHC-21-05-R		
	10 m pre-wired cable, exit right	D40P-MHC-21-10-R		
	M12, 8 pin, fitted with 250 mm cable, exit right	D40P-MHC-21-M12-R		
Special Food Type (Rear M4 mounting holes, suitable for food contact zones)				
Type	Cable Connection	Contact Configuration		Model
Small Sensors 	5 m pre-wired	2NC/1NO		D40P-SFC-21-05
	10 m pre-wired		D40P-SFC-21-10	
	M12, 8 pin, fitted with 250 mm cable		D40P-SFC-21-M12	