

High Tamper Resistance Locking Safety Switch

D40ML Magnetic Locking Safety Switch with RFID Technology



IP67 Die-cast Metal
900N or 1500N*

IP67 Plastic
900N or 1500N*

IP69K Stainless Steel
600N or 950N*

Omron's new D40ML offers an easy to use magnetic locking door switch with RFID technology when tamper resistance is a high priority.

- Master or Unique coding up to 32,000,000 combinations
- Stainless steel versions rated IP69K suitable for clean/sanitize in place
- Up to PLe / Cat. 4, install up to 20 switches in series (up to PLd / Cat. 3)
- Residual magnetism acts as light door latch after unlocking
- Diagnostic LED indicator

Diagnostic Indicator Function

Switch Status	Guard	Green LED	Yellow LED	Safety Output
Locked	Closed	Steady	Off	Closed
Solenoid Power OFF (unlocked)	Closed	Flashing	Off	Open
Guard Open	Open	Off	Steady	Open
Door Forced Open	Open	Off	Flashing	Open



* Items shown, lower holding force items are physically smaller.

When Safety matters

The new D40ML series of safety interlock switches combines magnetic locking and RFID technologies to create a highly tamper resistant product in compliance with ISO 14119. Suitable for use in food and beverage processing, packaging, automotive and other industrial machine guarding applications.

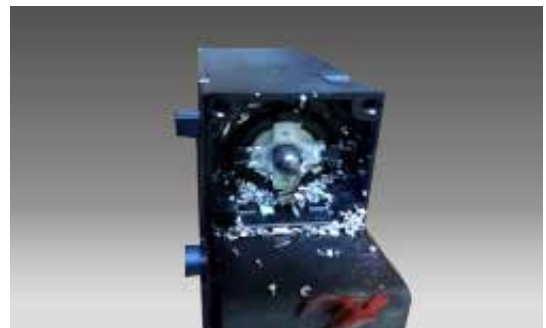
PROBLEM: Entire machine is sanitized in place.

SOLUTION: Stainless steel D40ML with IP69K ingress protection rating. Clean and sanitize in place are possible.



PROBLEM: Exposed cam mechanisms can jam.

SOLUTION: All versions of the D40ML have smooth surfaces and magnetic locking with no moving parts to foul.



PROBLEM: Application requires high tamper resistance.

SOLUTION: RFID technology built into the switch and actuator makes 32 million unique actuator codes possible.



OMRON AUTOMATION AMERICAS HEADQUARTERS • Chicago, IL USA • 847.843.7900 • 800.556.6766 • www.omron247.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • www.omron247.com

OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

México DF • 52.55.59.01.43.00 • 01-800-226-6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Apodaca, N.L. • 52.81.11.56.99.20 • 01-800-226-6766 • mela@omron.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55.11.2101.6300 • www.omron.com.br

OMRON ARGENTINA • SALES OFFICE

Cono Sur • 54.11.4783.5300

OMRON CHILE • SALES OFFICE

Santiago • 56.9.9917.3920

OTHER OMRON LATIN AMERICA SALES

54.11.4783.5300

OMRON EUROPE B.V. • Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. • +31 (0) 23 568 13 00 • www.industrial.omron.eu