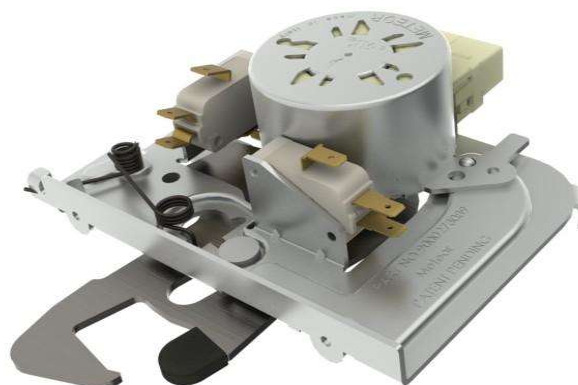


HORIZONTAL DOOR LOCK



DESCRIPTION

Device designed for built-in ovens and domestic cookers equipped with a pyrolytic self-cleaning function (up to approx. 480 °C). Compliant with International safety regulations, it prevents access to the oven cavity.

METEOR has developed an innovative system, based on a compact gear motor, capable of automatically detecting the oven door position when closed and locking it during the pyro cycle. The system ensures high reliability, operational safety and easy integration to different oven structures and oven design.

TECNICAL SPECIFICATIONS

A - STRUCTURE	F - EMERGENCY RELEASE SYSTEM
Compact structure entirely made of steel, capable of operating at temperatures up to T150°C. The latch configuration allows use of up to 2 micro switches.	System allows emergency door opening in case of oven malfunction during clean cycle.
B - GEAR MOTOR	G - POSITIONING OF THE DOOR LATCH
Gear motor operating temperature T150°C. Approvals: IMQ - VDE - UL (USA) - CSA.	System allows emergency door opening in case of oven malfunction during clean cycle.
C - MICRO SWITCHES	H - 100% CHECK
Micro switches with operating temperatures of T125°C - T150°C and T200°C. Approvals: IMQ - VDE - UL (USA) - CSA.	The assembly line has multiple automated stations dedicated to 100% testing of production.
D - CLOSING HOOK	I - COMPATIBILITY AND INTERCHANGEABILITY
The door latch has been designed so the door detection function is integrated in the hook. This solution allows: 1) to better monitor the door closure, because it allows more precision in the axial tolerances of the oven door with the latch hook; 2) to reduce assembly line; 3) to reduce costs of the wiring dedicated to the door detection switch positioned separately to the door latch.	METEOR device has been designed for use on professional appliances using existing electrical and electronic components.
E - CONSTRUCTION	L - TESTING
The door lock is manufactured on a production line specifically engineered for the assembly of latching systems for pyrolytic ovens.	Compared to other systems the METEOR latch allows quick and effective test of the self-clean cycle of an oven directly on the oven assembly line.