FES90M-P

High Security Electric EcoStrike with Pre-Load Capacity

The patented FES90M-P motorised High Security Electric EcoStrike with up to 35kg Pre-Load capability is a revolutionary electric locking solution. With a high Pre-Load/Side-Load tolerance and minimal energy consumption in 'Sleep-Mode' it is a truly "Green Locking Solution".

The strike accepts voltages from 10 to 30VDC, is pre-drilled for extension lips and has a unique and simple fail secure (Power To Open)/ fail safe (Power To Lock) switch-over function.

The door strike provides 2 forms of monitoring:

1. LSS (Lock Status Sensor)
2. DSS (Door Latch Sensor)

The electric strike consumes current less than 300mA @ 12VDC at full 35kg pre-load only during locking and unlocking action. In the locked or unlocked state (Sleep-Mode), the electric strike consumes current less than 15mA@12VDC.

FES90MP comes with a 10mm strike lip as standard, to prevent possible personal injury and damage to clothing as with 15mm lips.

The FES90M-P-S (and -SM) are both SCEC Approved to SL3.

Features

- Releases with up to 35kg of Pre-Load/Side Load
- Motorised locking device
- Durability tested to 1.5 Mill. full pre-load cycles of 35kg
- Multi voltage from 10 to 30VDC
- Sleep-Mode Current less than 15mA@12VDC
- Pre-drilled for extension lips
- Up to 1300kg Holding Strength
- Shock/hammer resistant

Warranties	
Mechanical	5 years
Finish	allegion.co.nz/finisheswarranty
Electronic	1 year

May 2021

Technical specifications

Hardware Specification			
Part Number	FES90M-P	FES90M-P-S	FES90M-P-SM
Certifications / Approvals	CE C-Tick	CE C-Tick SCEC Approved to SL3	
Function	Mortice Mount, Power-To-Lock/Power-To-Release field interchangeable, 35kg of Pre-Load capability		
Holding Strength	Up to 1300kg Tested to 1.5Mill full 35kg pre-load cycles		
Voltage / Current	Multi Voltage 10-30VDC Action Mode: 300mA@12VDC at full 35kg pre-load only during locking and unlocking action Sleep-Mode: 15mA@ 12VDC in locked or unlocked mode		
Monitoring	LSS - Status Sensor of the internal locking mechanism DSS - Door Latch Sensor, Door latch engaged within strike	LSS DSS Anti Tamper switch (strike installed in frame)	
Environmental	Operational Temperature Range -20º to +60ºC		

Finishes

B

Black

SSS

Satin Stainless Steel

Testing and Compliance

Fire Rating:
Successfully tested on fire door assemblies in accordance with AS1905 Part1: Fire resistance doorsets. Check with fire door manufacturer prior to installation.

Durability and Strength:
Exceeding Australian Standard AS4145.2-2008 400,000 operating cycles - Durability D7

Meeting Australian Standard AS4145.2-2008 - Static Strength S8 - Impact Strength S8

FES90M-P accessories

Part no.	Product Description
FES90M-P	High Security Electric Eco Strike with pre-load capabilities Australian Footprint monitored 10mm Lip
FES90M-P-S	High Security Electric Eco Strike (as above) with Anti-tamper switch, SCEC Approved to SL3
FES90M-P-SM	High Security Electric Eco Strike (as above) with additional Door Position Magnets to be used with Electric Mortice Locks. SCEC Approved to SL3
FES90M-P-L2	High Security Electric Eco Strike with pre-load capabilities Australian Footprint monitored Lipless
FES20-EL15	FES20 Extension Lip 15mm
FES20-EL25	FES20 Extension Lip 25mm
FES20-EL50	FES20 Extension Lip 50mm
FES20-EL75	FES20 Extension Lip 75mm
FES20-Rebate	Rebate kit for FES90MP & FES20 Series (Stainless Steel)

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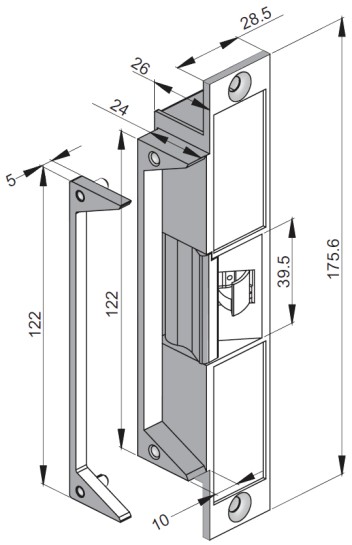
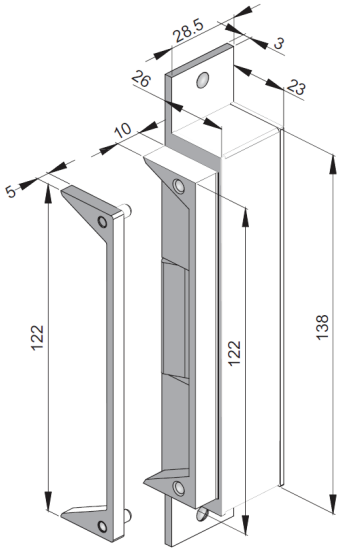
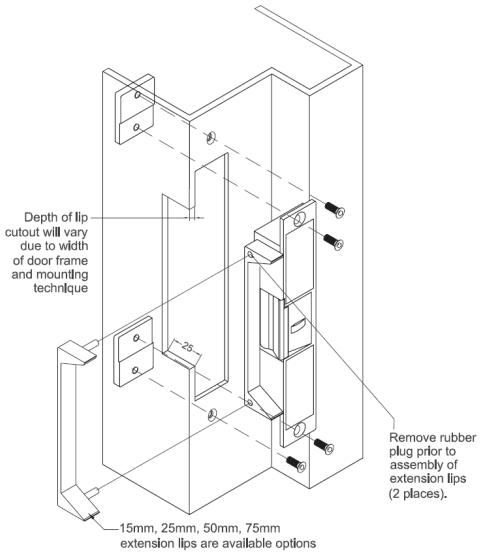
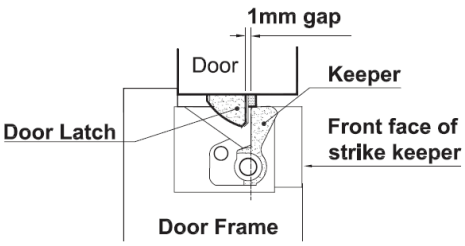
FES90M-P product dimensions and installation









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