

DECLARATION OF PERFORMANCE NR 004-05-CPR-2015

1. Unique identification code of the product type:

Fire dampers type mcr FID S/S with a fire resistance classification according EN 13501-3:2005
EI 120 (v_e h_o i→o) S

2. Intended use and scope of application of the product:

Fire dampers type mcr FID S/S (p/P and p/O) are designed to be used in comfort (general) ventilation systems at places where these systems pass through space dividing elements of certain fire resistance class and as a transfer damper. The dampers are to prevent the spread of fire and smoke via ventilation systems and bringing up clean air from a protected space to the smoked area (in transfer damper case).

3. Manufacturer:

„MERCOR” S.A., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site, Ul. Kwarцова 3a, 83-031 Ciepłowo and 380-470.

4. System of assessment and verification of constancy of performance of the product:

System 1

5. Construction product covered by the harmonised standard:

PN-EN 15650:2010 (EN 15650:2010)

6. Notified body name and No., certificate of conformity No.:

Notified Body No. 1488, ITB, ul. Filtrowa 1, 00-611 Warszawa, Poland
Certificate of Constancy of Performance: 1488-CPR-0422/W
Notified Body No. 1396 FIRES, Osloboditel'ov 282, 059 35 Batizovce, Slovakia
Certificate of Constancy of Performance: 1396-CPR-0103
Notified Body No. 1488, ITB, ul. Filtrowa 1, 00-611 Warszawa, Poland
Certificate of Constancy of Performance: 1488-CPR-0422/W
Notified Body No. 2434, Centrum Techniki Okrętowej S.A, ul. Szczecińska 65, 80-392 Gdańsk, Poland
Certificate of Constancy of Performance: 2434-CPR-0163

7. Declared performance:

Essential characteristics	EN 15650	Performance		Result
		mcr FID S/S p/P	mcr FID S/S p/O	
Nominal activation conditions/sensitivity	4.2.1.2			Pass
Sensing element response temperature	4.2.1.2.2.	ISO 10294-4: 2001, pkt 4.2		
Sensing element load bearing capacity	4.2.1.2.3	ISO 10294-4: 2001, pkt 4.2		
Response time/ Closure time	4.2.2.2	<2 minutes		Pass
Operational reliability / Cycling	4.3.1. a)	C50		Pass
Fire resistance – integrity	4.1.1 a)	E120	E120	Pass
Fire resistance – insulation	4.1.1 b)	EI120	EI120	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS120	EIS120	Pass
Mechanical stability (E class)	4.1.1 a)	-	-	Pass
Maintenance of the cross section (E class)	4.1.1 a)	-	-	Pass
Operation time durability:	4.2.1.2.2	-	-	Pass
	4.2.1.2.3			
Reliability:	4.3.3.2	10 000	-	Pass

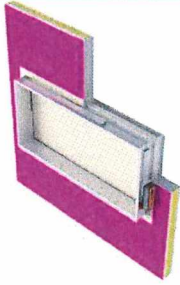
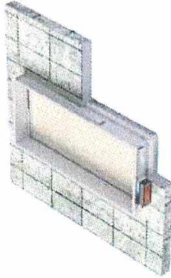
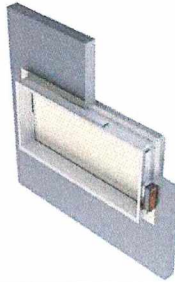
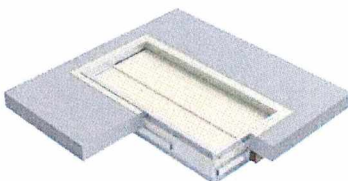
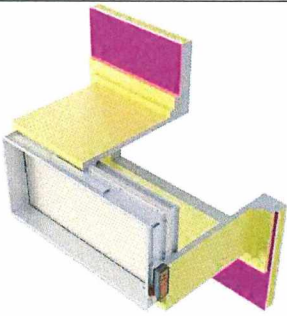
8. Additional properties:

Additional characteristics	EN 15650	Performance		Result
Horizontal / vertical axis of rotation	-	Yes	-	Pass
Fire resistance classification	4.3.2	EI 120 (v _e h _o i→o) S	EI 120 (v _e h _o i→o) S	Pass
Size range		rectangular damper: from 200 x 200 to 1500 x 1500 mm, max. surface area not greater than 1.8 m ² round damper: from DIA125 to DIA630 [mm]		

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Systemy zabezpieczeń przeciwpożarowych
Fire protection systems

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e-mail: mercor@mercor.com.pl
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Installation	Type of partition	Damper type	Partition thickness
	lightweight walls/shafts made of boards (1)	mcr FID S/S p/P mcr FID S/S p/O	min. 125mm
	Solid walls/shafts made of concrete blocks, hollow masonry units (2)	mcr FID S/S p/P mcr FID S/S p/O	min. 110mm
	Solid walls/shafts (3)	mcr FID S/S p/P mcr FID S/S p/O	min. 110mm
	Solid ceiling (4)	mcr FID S/S p/P mcr FID S/S p/O	min. 150mm
	Outside the vertical partitions mentioned above (1), (2), (3). Using fire protective board system, providing fire resistance is not less than the resistance of wall	mcr FID S/S p/P	min 125 mm for (1) min. 110mm for (2), (3)

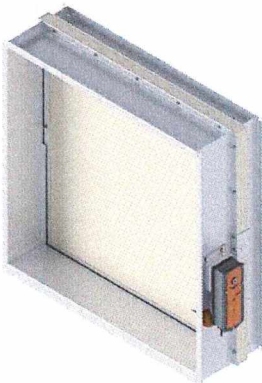
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	<p>Outside the vertical partitions mentioned above : (1), (2), (3). Distance between the dampers: 60mm.</p>	<p>mcr FID S/S p/P</p>	<p>min 125 mm for (1), (2), (3)</p>
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Mounting details included in the device's OMM. The damper assembly is possible with the release and control mechanisms given in the table below.

Release and control mechanisms	
	<p>Comfort ventilation damper actuators supplied with voltage 24V and 230V</p> <p>RST/KW1/S with an electromagnetic release device ensuring remote response comfort</p> <p>Release and control mechanisms type RST</p>

The performance of the product identified above is in conformity with the set of declared performance/s (point 7). This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Gdańsk, 29.11.2022


Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ
Tomasz Kobyliński

Rev. 14

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