

## DECLARATION OF PERFORMANCE NO. 006-05-CPR-2015

**1. Unique identification code of the product type:**

Fire dampers type mcr FID S/S c/P with a fire resistance classification according EN 13501-3:2005  
EI 120 (ve ho i<->o) S  
EI 120 (ve i<->o) S

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

Fire dampers type mcr FID S/S c/P 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. The dampers are to prevent the spread of fire and smoke via ventilation systems.

**3. Manufacturer:**

„MERCOR” S.A., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site, Ul. Kwarцова 3a, 83-031 Ciepłewo 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  
Certificate of Constancy of Performance: 1488-CPR-0203/W  
Notified Body No. 1396, FIRES, Osloboditel'ov 282, 059 35 Batizovce, Slowacja  
Certificate of Constancy of Performance: 1396-CPR-0114

**7. Declared performance:**

Essential characteristics	EN 15650	Performance	Result
<b>Nominal activation conditions/sensitivity</b>	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	
<b>Response time/ Closure time</b>	4.2.2.2	<2 minutes	Pass
<b>Operational reliability / Cycling</b>	4.3.1. a)	C50	Pass
<b>Fire resistance – integrity</b>	4.1.1 a)	E120	Pass
<b>Fire resistance – insulation</b>	4.1.1 b)	I120	Pass
<b>Fire resistance – smoke leakage</b>	4.1.1 c)	S120	Pass
<b>Mechanical stability (E class)</b>	4.1.1 a)	-	Pass
<b>Maintenance of the cross section (E class)</b>	4.1.1 a)	-	Pass
<b>Operation time durability:</b>	4.2.1.2.2	-	Pass
	4.2.1.2.3	-	Pass
<b>Reliability:</b>	4.3.3.2	10.000	Pass

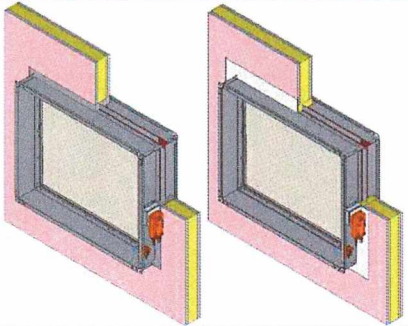
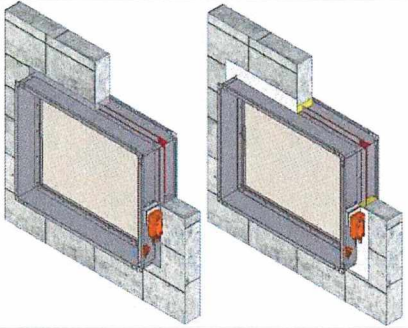
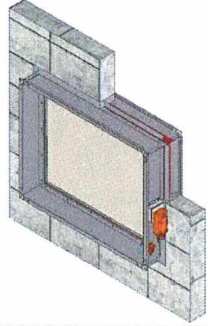
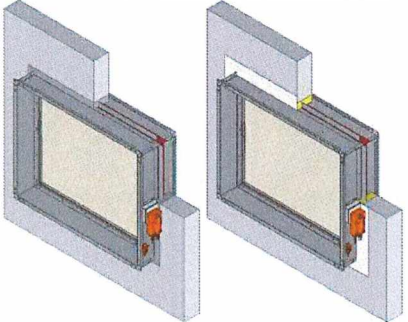
**8. Additional properties:**

Additional characteristics	EN 15650	Performance	Result
<b>Horizontal / vertical axis of rotation</b>	-	Yes	Pass
<b>Fire resistance classification</b>	4.3.2	EI 120 (ve ho i<->o) S * EI 120 (ve i<->o) S **	Pass
<b>Size range</b>	* Rectangular damper: from 200 x 200 to 800 x 400 [mm], max. surface area not greater than 0,32 m2 ** Rectangular damper: from 200 x 200 to 1000 x 800 [mm], max. surface area not greater than 0,8 m2		

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**Systemy zabezpieczeń przeciwpożarowych**  
**Fire protection systems**

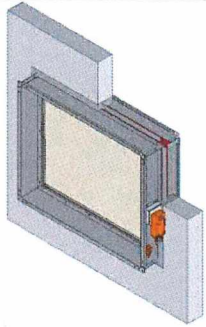
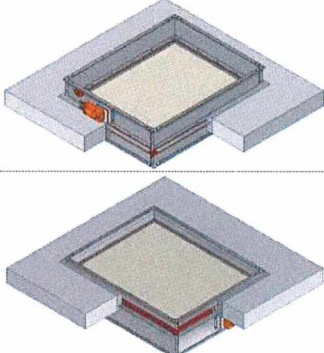
„MERCOR” S.A.  
ul. Grzegorza z Sanoka 2, 80-408 GDAŃSK, Polska  
tel. (+48 58) 341 42 45, fax (+48 58) 341 39 85  
e-mail: mercor@mercor.com.pl  
www.mercor.com.pl

Installation	Type of partition	Installation type	Partition thickness
	lightweight walls/shafts made of boards	Using mortar or mineral wool	min. 125mm
	Solid walls/shafts made of concrete blocks, hollow masonry units	Using mortar or mineral wool	min. 125mm
	Solid walls/shafts made of concrete blocks, hollow masonry units	Using mortar	min. 115mm
	Solid walls/shafts	Using mortar or mineral wool	min. 125mm

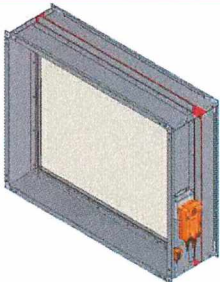
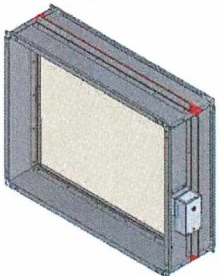
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**Systemy zabezpieczeń przeciwpożarowych**  
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	Solid walls/shafts	Using mortar	min. 110mm
	Solid ceiling	Using mortar	min. 150mm

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	
	Comfort ventilation damper actuators supplied with 24V and 230V
	KW1 release and control mechanisms device with an electromagnetic trigger, supplied with 24V and 230V ensuring remote response comfort.

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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  
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Tomasz Kobyliński

Rev. 11

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