

DECLARATION OF PERFORMANCE NO. 002-05-CPR-2022

1. Unique identification code of the product type:

Smoke control damper type mcr DOR used in single and multi compartment smoke and heat control systems, with a fire resistance classification according EN 13501-4:2016
EI 180 (V_{ed} i↔o) S1500 C₃₀₀ AA multi

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

The mcr DOR smoke control dampers are intended for use in the following types of systems: exhaust systems, aeration systems, relief systems, duct systems, and inert gas extinguishing systems.

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 harmonized standard:

PN-EN 12101-8:2012 (EN 12101-8:2011).

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

Notified Body No. 2434, Centrum Techniki Okrętowej S.A, ul. Szczecińska 65, 80-392 Gdańsk, Poland.
Certificate of Constancy of Performance: 2434-CPR-0246.

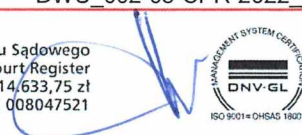
7. Declared performance:

Essential characteristics	EN 12101-8:2011	Performance	Result
Nominal activation conditions/sensitivity	4.2.1.3	-	Pass
Response time/ Closure time	4.2.1.4	-	Pass
Operational reliability - cycling	4.3.2.2	C 300	Pass
Fire resistance – integrity	4.1.1 a)	E180	Pass
Fire resistance – insulation	4.1.1 b)	EI180	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS180	Pass
Mechanical stability (E class)	4.1.1 d)	-	Pass
Maintenance of the cross section (E class)	4.1.1 e)	-	Pass
High working temperature	4.1.1 f)	-	NPD
Durability of response delay	4.4.2.1	-	Pass
Durability of operational	4.4.2.2	-	-

8. Additional properties:

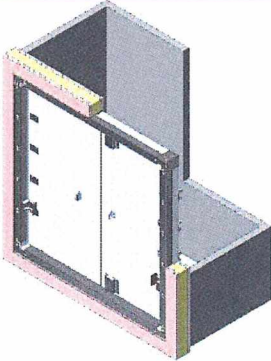
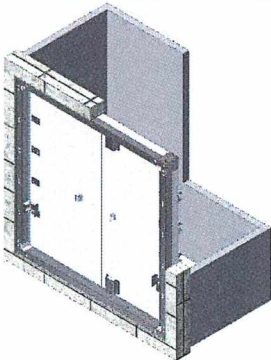
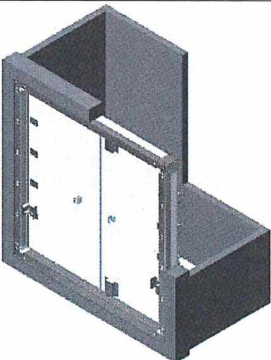
Additional characteristics	EN 12101-8:2011	Performance	Result
Fire resistance classification	4.4.3	EI 180 (V _{ed} i↔o) S1500 C ₃₀₀ AA multi	Pass
Size range		Rectangular damper: from 480x380 to 1330x1330 [mm]	
Installation		Fire-resistant ducts / walls / shafts in accordance with EN1366-8 or EN 1366-9, with fire resistance equal to or lower than the fire resistance of the damper.	
Release and control mechanisms		Release and control mechanism for 24V and 230V	

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Systemy zabezpieczeń przeciwpożarowych
Fire protection systems

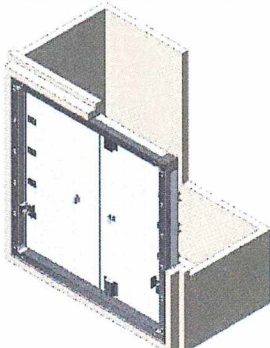
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e-mail: mercor@mercor.com.pl
www.mercor.com.pl

Installation	Type of assembly	Classification	Partition thickness
	Lightweight walls / shafts of drywall in accordance with EN1366-8 or EN 1366-9	EI 180 (V _{ed} i↔o) S1500 C ₃₀₀ AA multi	NA
	Rigid walls / shafts of blocks in accordance with EN1366-8 or EN 1366-9	EI 180 (V _{ed} i↔o) S1500 C ₃₀₀ AA multi	NA
	Solid walls/ shafts in accordance with EN1366-8 or EN 1366-9	EI 180 (V _{ed} i↔o) S1500 C ₃₀₀ AA multi	NA

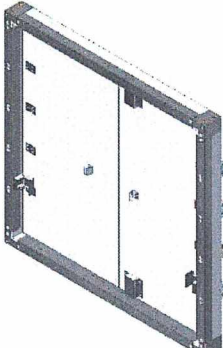
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	<p>Smoke extraction ducts according to EN 1366-8 or EN 1366-9</p>	<p>EI 180 (V_{ed} i↔o) S1500 C₃₀₀ AA multi</p>	<p>NA</p>
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NA - not applicable.

Mounting options		
		<p>Certified installation with attached cover grilles or fire ventilation ducts.</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.



Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ

Gdańsk, 29.11.2022

Tomasz Kobyliński

Rev. 2

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