

DECLARATION OF PERFORMANCE NO. 005-05-CPR-2015

1. Unique identification code of the product type:

Smoke control dampers type mcr FID S/V p/P, used in single and multi compartment smoke and heat control systems, with a fire resistance classification according EN 13501-4:2016

EI 120 ($V_{ew} i \leftrightarrow 0$) S1000C₃₀₀AAmulti

EI 120 ($V_{ew} i \leftrightarrow 0$) S1500C₁₀₀₀AAmulti

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

Smoke control dampers type mcr FID S/V p/P are intended for use in the following types of systems: exhaust systems, aeration systems, relief systems, duct systems and inert gas extinguishing systems. The dampers are designed to control single and multiple fire zones.

3. Manufacturer:

MERCOR SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site Ul. Kwarцова 3a, 83-031 Ciepłewo, Poland 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.1488, ITB, ul. Filtrowa 1 00-611 Warszawa, Poland.

Certificate of Constancy of Performance: 1488-CPR-0448/W.

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* C 10.000**	Pass
Fire resistance – integrity	4.1.1 a)	E120	Pass
Fire resistance – insulation	4.1.1 b)	EI120	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS120	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	300* and 10 000**	Pass

8. Additional properties:

Additional characteristics	EN 12101-8:2011	Performance	Result
Fire resistance classification	4.4.3	EI 120 (v _{ew} i↔o) S1000C ₃₀₀ AAmulti* EI 120 (v _{ew} i↔o) S1500C ₁₀₀₀₀ AAmulti**	Pass
Size range	Rectangular damper: 200x200 do 1500x1500 [mm], max surface is not greater than 1,5m ^{2*} Rectangular damper: 200x200 do 1500x1500 [mm], max surface is not greater than 1,25m ^{2**}		
Insulation	Rigid walls/shafts made of concrete blocks, hollow masonry units, masonry walls: 110mm */** Walls/shafts made of boards – min. wall thickness: 125mm**		
Release and control mechanisms	Belimo electric actuator type: BE...(-ST), BLE...(-ST) voltage: 24V i 230V		

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

Tomasz Kobyliński

Gdańsk, 29.11.2022

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