

Systemy zabezpieczeń przeciwpożarowych
Fire protection systems

„MERCOR” S.A.
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DECLARATION OF PERFORMANCE
NO. 009-05-CPR-2016

- Product name:**
Cut-off fire dampers type mcr WIP PRO /S and mcr WIP PRO /T.
- Type, batch or serial No.:**
A unique serial No. of each damper is provided on the label.
- Intended use and scope of application of the product:**
Fire dampers type mcr WIP PRO 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 fire damper can be used in applications with ducting (mcr WIP PRO /S) or without ducting with masking grid (mcr WIP PRO /T) The dampers mcr WIP PRO are to prevent the spread of fire and smoke via ventilation systems.
- Manufacturer:**
MERCOR SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Zakład Produkcyjny [Production Site], ul. Kwarцова 3a, Ciepłewo
- System of assessment and verification of constancy of performance of the product:**
System 1
- Construction product covered by the harmonised standard:**
PN-EN 15650:2010 (EN 15650:2010)
- 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-003

8. Declared performance:

Essential characteristics	EN 15650:2010	Performance	Result
Nominal activation conditions/sensitivity	4.2.1.2		Pass
Sensing element response temperature	4.2.1.2.2.	According to ISO 10294-4: 2001, section 4.2	Pass
Sensing element load bearing capacity	4.2.1.2.3	According to ISO 10294-4: 2001, section 4.2	Pass
Response time - closure time	4.2.1.3	< 2 minutes	Pass
Operational reliability - cycling	4.3.1. a)	C50	Pass
Fire resistance – integrity	4.1.1 a)	E120	Pass
Fire resistance – insulation	4.1.1 b)	ve: EI120 ho: EI90	Pass
Fire resistance – smoke leakage	4.1.1 c)	S	Pass
Durability of operational reliability	4.3.3.2	10.000	Pass
Fire resistance classification	4.3.2	EI 120 (v _e i↔o) S, EI180 (v _e i↔o)* EI 90 (h _o i↔o) S / E 120 (h _o i↔o) S	Pass
Size range	Rectangular damper: from 110 x 263 to 900 x 1250 [mm], max. surface area not greater than 1.13 m ² for v _e position; Rectangular damper: from 110 x 263 to 1000 x 1000 [mm], max. surface area not greater than 1.0 m ² for h _o position;		
Installation	Vertical flexible standard mounting construction with thickness not smaller than 125mm; Vertical solid standard mounting construction with low density and thickness not smaller than 120mm; Horizontal solid standard mounting construction with high density and thickness not smaller than 150mm;		
Release and control mechanisms	Belimo actuators type: BFN230-T, BFN24-T, BF230-T, BF24-T, BFL230-T, BFL24-T, BLF230-T, BLF24-T with thermal release BAE72, BAE95, BAT72, BAT95, BAT120 Release and control mechanism type RST KW1 230P type or RST KW1 24P type with thermo triggering device D type (73,8°C). RST KW1 type mechanism may not be equipped with electromagnetic triggering device.		

*assembly with the masking grid, according to the manufacturer guidelines for mcr WIP PRO /T type.

The performance of the product identified in point 1 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.



Wojciech Zygmunt
DYREKTOR ds. PRODUKCJI

Gdańsk, 23.08.2018

rev 3