

1.	Unique identification code of the product-type	SEDM
2.	Products	Smoke control dampers
	Intended use	Smoke control dampers that are to be used in multi compartment smoke control systems, either at 600 °C or under fire conditions
	Technical documentation – product information, instruction for installation and maintenance, safety information	Technical specifications TPM 087/12
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic ID 26718405, tel. +420 311 706 706 mandik@mandik.cz , www.mandik.com
5.	System of AVCP	System 1
6.	Harmonised standard	EN 12101-8:2011
	Notified body	Notified body No. 1391 PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek
	Output documents of the notified body	Certificate of Constancy of Performance No. 1391-CPR-2024/0070 Assessment Report of Performance of Construction Product No. P-1391-CPR-2024/0070

7a.	Declared performances – fire resistance classification Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1		
	<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Performance – class of fire resistance</i>
	Horizontal or vertical smoke extraction duct – into/onto the duct	Connection to single or multi compartment smoke extraction ducts tested acc. to EN 1366-8 or EN 1366-9 ¹⁾	EI 120 (h _{od} i↔o) S1000C _{mod} HOT 400/30MAmulti ³⁾ EI 120 (v _{ed} i↔o) S1000C _{mod} HOT 400/30MAmulti ³⁾
	Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum ^{1),2)}	EI 90 (v _{ew} i↔o) S1500C _{mod} HOT 400/30MAmulti ³⁾ EI 120 (v _{ew} i↔o) S1000C _{mod} HOT 400/30AAmulti
		Fire batt/Ablative coated batt ^{1),2)}	EI 120 (v _{ew} i↔o) S1500C _{mod} HOT 400/30MAmulti ³⁾
		Mineral wool and calcium silicate boards ¹⁾	EI 120 (v _{ew} i↔o) S1000C _{mod} HOT 400/30AAmulti
	Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum ^{1),2)}	EI 90 (v _{ew} i↔o) S1500C _{mod} HOT 400/30MAmulti ³⁾ EI 120 (v _{ew} i↔o) S1000C _{mod} HOT 400/30AAmulti
		Fire batt/Ablative coated batt ^{1),2)}	EI 120 (v _{ew} i↔o) S1500C _{mod} HOT 400/30MAmulti ³⁾
		Mineral wool and calcium silicate boards ¹⁾	EI 120 (v _{ew} i↔o) S1000C _{mod} HOT 400/30AAmulti

(table continues)

¹⁾ Refer to Technical documentation for the details of the installation type / installation system.

²⁾ Including assembly of dampers - side by side.

³⁾ In practice, the dampers will never be in open position at the beginning of danger from smoke.

(continuation of the table)

<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Performance – class of fire resistance</i>
Solid ceiling construction – damper in the ceiling – min. ceiling thickness 150 mm	Mortar or gypsum ¹⁾	EI 120 (h _{ow} i↔o) S1500C _{mod} HOT 400/30MAmulti ³⁾
	Mineral wool and calcium silicate boards ¹⁾	
	Fire batt/Ablative coated batt ¹⁾	

¹⁾ Refer to Technical documentation for the details of the installation type / installation system.

³⁾ In practice, the dampers will never be in open position at the beginning of danger from smoke.

7b.	Declared performances – essential characteristics Essential characteristics in accordance with EN 15650:2010, art. 4.1.1	
<i>Essential characteristics</i>	<i>Requirements (provisions of harmonised standard EN 12101-8:2011)</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
Nominal activation conditions/sensitivity	4.2.1.3	Conforms
Response delay (response time)	4.2.1.4	Conforms
Operational reliability	4.3.2.2	C _{mod} – conforms
Fire resistance – integrity (E)	4.1.1 a)	E – conforms
Fire resistance – insulation (EI)	4.1.1 b)	EI – conforms
Fire resistance – smoke leakage (ES)	4.1.1 c)	EIS – conforms
Fire resistance – mechanical stability (under E)	4.1.1 d)	Conforms
Fire resistance – maintenance of cross section (under E)	4.1.1 e)	Conforms
Fire resistance – high operational temperature	4.1.1 f)	HOT 400/30 – conforms
Durability – of response delay	4.3.2.1	Conforms
Durability – of operational reliability	4.3.2.2	Damper with control mechanisms: - Belimo actuators (BEN/BEE/BE): C _{mod} - Schischek actuators (InMax-50.75S): C _{mod} - Belimo actuators (BEN/BEE/BE) connected with MDC(P)M control modules: C _{mod} - Schischek actuators (InMax-50.75S) connected with MDC(P)M control modules: C _{mod}

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

In Hostomice, 2024-04-18



Mgr. Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
Damper blade tightness	EN 1751:2014	Class 2
Damper casing tightness	EN 1751:2014	Class C