

1.	Unique identification code of the product-type	SEDM-L
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 146/20
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic IČO 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, Czech Republic
	Output documents of the notified body	Certificate of Constancy of Performance No. 1391-CPR-2026/0120 Assessment Report of Construction Product Performance No. P-1391-CPR-2026/0120

7a.	Declared performances – fire resistance classification Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1		
Fire separating construction, damper location	Installation type, installation system	Gap width in range (mm)	Performance – class of fire resistance
Horizontal or vertical smoke extraction ducts tested according to EN 1366-8 or EN 1366-9 (e.g.: FlameshieldEN, FPL BW18, IFS-DS, PROMATECT®-L500) - into/onto the duct	Damper installed into a duct or onto a duct with grille ¹⁾	N/A	EI120(v _{ed})S1000[H]C _{mod} HOT400/30MAmulti
	Damper installed onto a duct without grille ¹⁾	N/A	EI90(v _{ed})S1000[H]C _{mod} HOT400/30MAmulti
Vertical smoke extraction ducts Orishaft tested according to EN 1366-8 - onto the duct	Damper installed onto a duct with or without grille ¹⁾	N/A	EI60(v _{ed}) S1000[H]C _{mod} HOT400/30MAmulti EI120(v _{ed}) S1000[H]C _{mod} HOT400/30MAmulti
Standard low- and high-density rigid wall construction according to EN 1363-1 - damper in the wall or shaft wall - 100 mm min. wall thickness	Fire batt/Ablative coated batt ¹⁾	40–230	EI90(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti
		200	EI120(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti ²⁾
	Mortar or gypsum ^{1),3)}	50–150	EI90(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti
			EI120(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti ²⁾
Standard flexible wall construction, min. EI90, according to EN 1363-1 - damper in the wall or shaft wall - 100 mm min. wall thickness	Fire batt/Ablative coated batt ¹⁾	40–230	EI90(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti
		200	EI120(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti ²⁾
	Mortar or gypsum ¹⁾	50–150	EI90(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti
		50	EI120(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti ²⁾
Non-standard asymmetrical shaft wall construction, min. EI120, made of gypsum plasterboards (3 × 15 mm and 1 × 19 mm) with steel studs. - damper in the wall or shaft wall - 107 mm min. wall thickness	Mortar or gypsum ¹⁾	50–150	EI90(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti
			EI120(v _{edw})S1000[H]C _{mod} HOT400/30MAmulti ²⁾

(table continues)

¹⁾ Refer to [Technical documentation](#) for the details of the installation type / installation system.

²⁾ Where the damper is installed without a connected duct, the installation shall be terminated with a grille.

³⁾ Including assembly of dampers – side by side

(continuation of the table)

Fire separating construction, damper location	Installation type, installation system	Gap width in range (mm)	Performance – class of fire resistance
Standard low- and high-density rigid floor construction according to EN 1366-2 - damper in the shaft floor - 150 mm min. wall thickness	Mortar or gypsum ¹⁾	50–150	EI90(h _{od})S1000[H]C _{mod} HOT400/30MAmulti
			EI120(h _{od})S1000[H]C _{mod} HOT400/30MAmulti ²⁾

¹⁾ Refer to [Technical documentation](#) for the details of the installation type / installation system.

²⁾ Where the damper is installed without a connected duct, the installation shall be terminated with a grille.

7b. Declared performances – other essential characteristics Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1		
Essential characteristics	Requirements (provisions of the harmonised standard EN 12101-8:2011)	Performance (lever or class) / Compliance with the requirements
Nominal activation conditions/sensitivity	4.2.1.3	Conforms
Response delay (response time)	4.2.1.4	AA / MA - Conforms
Operational reliability	4.4.2.2	C _{mod} – conforms
Fire resistance – integrity (E)	4.1.1 a)	E – conforms
Fire resistance – insulation (I)	4.1.1 b)	EI – conforms
Fire resistance – smoke leakage (S)	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	4.4.2.1	Conforms
Durability – of operational reliability	4.4.2.2	Damper with control mechanisms: - Belimo actuators (BEN/BEE/BE): C _{mod} connected with control modules: - MDC(P)M ⁴⁾ : C _{mod} - MANDGUARD: C _{mod} - MANDIKCORE: C _{mod} - AGNOSYS BRM/IOM-10-F: C _{mod} - BUSTEC BKNE230-24RB: C _{mod}

⁴⁾ The control modules shall be installed in a separate calcium silicate housing, according to technical documentation.

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, 2026-09-15



Mgr. Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
Characteristics	Technical standard	Performance (lever or class) / Compliance with the requirements
Damper blade tightness	EN 1751:2024	Class 3
Damper casing tightness	EN 1751:2024	Class ATC 3 (old marking “C”)