## MasterLine 8 Doors

PRODUCT PASS

Date: **10-04-2024** 

Language: English



Together for better

www.reynaers.com



#### **1 GENERAL EXPLANATION**

The performances indicated in this product pass can be used for a Declaration of Performance (DoP) in accordance with EU Regulation no. 305/2011. The characteristics are in accordance with the harmonized product standard EN 14351-1:2006+A2:2016 (Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets).

At least one performance of an essential characteristic shall be mentioned on the DoP. Non-essential characteristics are not legally required in any European country and thus not mandatory to declare. Where no performance is declared "NPD" (No Performance Declared) can be used.

The performances indicated can be achieved for the configuration and dimensions as tested and when the product is fabricated in accordance with the instructions of Reynaers (system catalogue). It is obviously allowed to declare lower performances; e.g. when resistance to wind load of 1600 Pa was tested, also 1200 Pa can be declared for the same configuration and dimensions.

Higher performances for smaller dimensions, lower performances for larger dimensions, or similar performances for larger dimensions but with the appropriate selection of profiles and/or reinforcements are possible. Validate your performances and deflections, adhering to the maximum admissible dimensions indicated in the system catalogue.

#### 2 NOTIFIED BODIES

ID	Name	Address	Country
0074	CENTRE D'EXPERTISE DU BÂTIMENT ET DES TRAVAUX PUBLICS	Domaine De Saint-Paul – 102, Route de Limours 78471 Saint-Remy-Les-Chevreuse Cedex	France
0432	MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN	Auf den Thränen 2 59597 Erwitte	Germany
0679	CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT	84, Avenue Jean Jaurès Champs-sur-Marne F-77447 Marne-la-Vallée Cedex 2	France
0744	SOCOTEC	Les Quadrants – 3, Avenue du Centre – Guyancourt 78182 St-Quentin en Yvelines	France
0749	BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION	Aarlenstraat 53 1040 Brussel	Belgium
0757	IFT ROSENHEIM	Theodor-Gietl-Strasse 7-9 83026 Rosenheim	Germany
0845	DANISH INSTITUTE OF FIRE AND SECURITY TECHNOLOGY	Jernholmen, 12 2650 Hvidovre	Denmark
0960	SKG-IKOB	Poppenbouwing 56 4191 NZ Geldermalsen	Netherlands
1136	BELGIAN BUILDING RESEARCH INSITUTE	Lombardstraat 42 1000 Brussel	Belgium
1234	EFECTIS NEDERLAND	Brandpuntlaan Zuid 16, Postbus 554 2665 ZN Bleiswijk	Netherlands
1288	WINTECH ENGINEERING LIMITED	Halesfield 2 Telford,Shropshire TF7 4QH	United Kingdom
1309	PRÜFINSTITUT SCHLÖSSER UND BESCHLÄGE, VELBERT	Wallstrasse 41 42551 Velbert	Germany
1488	INSTYTUT TECHNIKI BUDOWLANEJ	ul. Filtrowa 1 00-611 Warszawa	Poland
1671	PEUTZ	Lindenlaan 41, Molenhoek PO Box 66 6585 ZH MOOK	Netherlands
1749	TNO DEFENCE, SECURITY AND SAFETY	Lange Kleiweg 137, Postbus 45 2280 AA Rijswijk	Netherlands
1769	UNIVERSITY OF GENT	Sint-Pietersnieuwstraat 41 9000 Gent	Belgium
2211	INSTITUTO DE INVESTIGAÇÃO E DESENVOLVIMENTO TECNOLÓGICO PARA A CONSTRUÇÃO, ENERGIA, AMBIENTE E SUSTENTABILIDADE	Rua Pedro Hispano Pólo II da Universidade de Coimbra 3030-289 Coimbra	Portugal



#### 3 VARIANTS

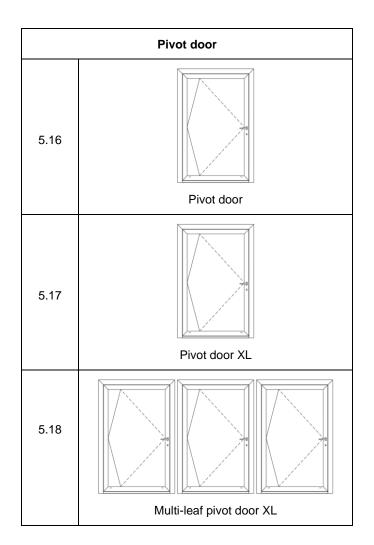
Different variants have been grouped based on similar design and following the guidelines of the harmonised standard

		Flush doors		Window	v doors
Single-inward opening	5.1	5.2	5.3	+ 5.4	5.5
Single-outward opening	5.6	5.7	5.8	+ 5.9	
Double-inward opening	5.10	5.11	5.12		J
Double-outward opening	5.13	5.14	5.15		

Remark: the pictures shown of the different bottom solutions do not always represent the real bottom solution for this series, but are just a general sketch to give an indication which type of bottom solution is meant.

MasterLine 8 Doors





#### 4 EXPLANATIONS AND SYMBOLS

H: Element Height B: Element Width Fh: Vent Height Fb: Vent Width npd: No Performance Declared CWFT: Classification Without Further Testing

<sup>(1)</sup> Impact resistance only valid with tubular or L-shaped glazing beads

 $^{\scriptscriptstyle (2)}$  Because of the same profile design, characteristics are based on test results for CS 86-HI



#### 5 PERFORMANCE

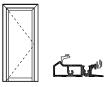
#### 5.1 Flush doors / Single-inward opening / Brush



		Characteristic	Perform	ance		Notified body - Report	Tested size [mm]	
			Essen	tial charac	cteris	stics		
	4.2	Resistance to wind load	<b>C2</b> (800	) Pa)		[0960] – 21.00162 rev A	1352x2204	
	4.5	Watertightness		npd				
	4.6	Dangerous substances	In the mate	erials delive		by Reynaers, no dangerous s in hEN 14351-1 are used.	substances as indicated	
	4.7	Impact resistance	5 <sup>(1)</sup>	)		[0960] - 09.1168 <sup>(2)</sup>	604x1739	
351-1	4.8	Load-bearing capacity of safety devices	Pas	s		[0960] – 20.00934	1400x3000	
EN 14351-1	4.9	Height & width		See 6				
	4.11	Acoustic performance	Glass: 34 (-1;-4)			[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1304 x 2062~2942	
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These proper		ies m	nust be evaluated by the CE-I	abel of the glass	
	4.14	Air permeability	2		[0960] – 21.00162 rev A		1352x2204	
			Non-ess	ential char	racte	ristics		
	4.4.1	Reaction to fire	Anodize Painted Gasket	: <b>A2</b>		EC decision 96/603/EC ertificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	1		[0960] – 18.00012.2		1400x3000, 256 kg	
	4.17	Mechanical strength	4			[0960] – 20.00934	1400x3000, 250 kg	
Ļ	4.18	Ventilation				npd		
N 14351-1	4.19	Bullet resistance (BP version)				npd		
EN	4.20	Explosion resistance		npd				
	4.21	Resistance to repeated opening and closing	<b>8</b> (1.000	000)		[0960] – 18.00012.2 [0960] – 22.00088.1	1400x3000, 256 kg 1400x3000, 160 kg	
	4.22	Behaviour between different climates		npd				
	4.23	Burglar resistance (AP version)	RC: RC:			[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report	



#### 5.2 Flush doors / Single-inward opening / Bottom profile



		Characteristic	Performa	nce	1	Notified body - Report	Tested size [mm]	
			Essenti	al charac			· ·	
	4.0	Desistance to wind load	<b>00</b> (000			[0000] 00 04 457	4.400-0000	
	4.2	Resistance to wind load	<b>C2</b> (800	Pa)		[0960] – 20.01457	1400x3000	
	4.5	Watertightness	<b>8A</b> (450 Pa)			[0960] – 20.01457	1400x3000	
	4.6	Dangerous substances	In the mater	ials delive		y Reynaers, no dangerous s n hEN 14351-1 are used.	ubstances as indicated	
	4.7	Impact resistance	<b>5</b> <sup>(1)</sup>			[0960] – 09.1168 <sup>(2)</sup>	604x1739	
51-1	4.8	Load-bearing capacity of safety devices	Pass			[0960] – 20.00934	1400x3000	
EN 14351-1	4.9	Height & width			See 6			
ш	4.11	Acoustic performance	Glass: Doors   34 (-1;-4) 37 (-2;-4)   41 (-2;-4) 39 (-2;-4)   50 (-2;-8) 43 (-2;-4)		5) 4)	[0757] – 18-000457- PR03 (GAS-C01-04-en- 01)	889~1279 x 2062~2452	
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These properties must be e			ust be evaluated by the CE-la	abel of the glass	
	4.14	Air permeability	3		<b>3</b> [0960] – 20.01457		1400x3000	
	1		Non-esser	ntial chara	acter	istics		
	4.4.1	Reaction to fire	Anodized Painted: Gaskets	A2	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6			
	4.16	Operating forces	1			[0960] – 18.00012.2	1400x3000, 256 kg	
	4.17	Mechanical strength	4			[0960] – 20.00934	1400x3000, 250 kg	
<b>151-1</b>	4.18	Ventilation				npd		
EN 14351	4.19	Bullet resistance (BP version)				npd		
Ē	4.20	Explosion resistance				npd		
	4.21	Resistance to repeated opening and closing	<b>8</b> (1.000 000)			[0960] – 18.00012.2 [0960] – 22.00088.1	1400x3000, 256 kg 1400x3000, 160 kg	
	4.22	Behaviour between different climates				npd		
	4.23	Burglar resistance (AP version)	RC2 RC3			[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report	

 $^{(3)}$  For casement W x H  $\leq$  1050 x 2200. For casement W x H  $\leq$  1304 x 2942: 42 (-2;-4)



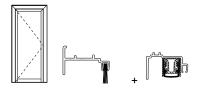
#### 5.3 Flush doors / Single-inward opening / Automatic bottom seal



		Characteristic	Perform	ance		Notified body - Report	Tested size [mm]	
			Essen	tial charac	teri	stics		
	4.2	Resistance to wind load	<b>C2</b> (800	) Pa)		[0960] – 21.00162 rev A	1352x2207	
	4.5	Watertightness	<b>5B</b> (200 Pa)			[0960] – 21.00162 rev A	1352x2207	
	4.6	Dangerous substances	In the materials deliv		ered	by Reynaers, no dangerous s in hEN 14351-1 are used.	ubstances as indicated	
	4.7	Impact resistance	5 <sup>(1)</sup>	)		[0960] - 09.1168 <sup>(2)</sup>	604x1739	
51-1	4.8	Load-bearing capacity of safety devices	Pas	s		[0960] – 20.00934	1400x3000	
EN 14351-1	4.9	Height & width				See 6		
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Doors: 33 (-2;-5 34 (-1;-3 35 (-1;-2	5) 8)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2942	
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	The	se properti	ies I	must be evaluated by the CE-la	abel of the glass	
	4.14	Air permeability	3		[0960] – 21.00162 rev A		1352x2207	
	<u> </u>	•	Non-ess	ential char	act	eristics		
	4.4.1	Reaction to fire	Anodize Painted Gasket	: <b>A2</b>	C	EC decision 96/603/EC ertificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	1			[0960] – 18.00012.2	1400x3000, 256 kg	
	4.17	Mechanical strength	4			[0960] – 20.00934	1400x3000, 250 kg	
7	4.18	Ventilation				npd		
EN 14351-1	4.19	Bullet resistance (BP version)				npd		
Ē	4.20	Explosion resistance				npd		
	4.21	Resistance to repeated opening and closing	<b>8</b> (1.000 000)			[0960] – 18.00012.2 [0960] – 22.00088.1	1400x3000, 256 kg 1400x3000, 160 kg	
	4.22	Behaviour between different climates		•	-	npd		
	4.23	Burglar resistance (AP version)	RC: RC:		[1309] – 22-27/10.122 [1136] – GSFM-20-083		See report	



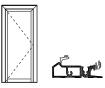
#### 5.4 Window doors / Single-inward opening



		Characteristic	Performance	Notified body - Report	Tested size [mm]						
			Essential charac	cteristics							
	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)	[0960] – 21.00576	1200x2800						
	4.5	Watertightness		npd							
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.								
	4.7	Impact resistance	<b>5</b> <sup>(1)</sup>	604x1739							
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd							
EN 14	4.9	Height & width		See 6							
	4.11	Acoustic performance		npd							
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.								
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass								
	4.14	Air permeability	3	[0960] – 21.00576	1200x2800						
			Non-essential cha	racteristics							
	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6							
	4.16	Operating forces	2	[0960] – 22.00088.1	1400x3000, 160 kg						
	4.17	Mechanical strength		npd							
7	4.18	Ventilation		npd							
N 14351-1	4.19	Bullet resistance (BP version)		npd							
EN	4.20	Explosion resistance	npd								
	4.21	Resistance to repeated opening and closing	npd								
	4.22	Behaviour between different climates		npd							
	4.23	Burglar resistance (AP version)		npd							



#### 5.5 Window doors / Single-inward opening



		Characteristic	Performance	Notified body - Report	Tested size [mm]						
			Essential charac	cteristics							
	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)	[0960] – 18.01140	970x2367						
	4.5	Watertightness	<b>9A</b> (600 Pa)	<b>9A</b> (600 Pa) [0960] – 18.01140 970x236							
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indic in hEN 14351-1 are used.								
	4.7	Impact resistance	5 <sup>(1)</sup>	[0960] – 09.1168 <sup>(2)</sup>	604x1739						
351-1	4.8	Load-bearing capacity of safety devices		npd							
EN 14351-1	4.9	Height & width		See 6							
	4.11	Acoustic performance		npd							
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.								
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass								
	4.14	Air permeability	4	[0960] — 18.01140	970x2367						
		•	Non-essential cha	racteristics							
	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6							
	4.16	Operating forces		npd							
	4.17	Mechanical strength		npd							
Ξ	4.18	Ventilation		npd							
N 14351-1	4.19	Bullet resistance (BP version)		npd							
EN	4.20	Explosion resistance		npd							
	4.21	Resistance to repeated opening and closing	npd								
	4.22	Behaviour between different climates		npd							
	4.23	Burglar resistance (AP version)		npd							



#### 5.6 Flush doors / Single-outward opening / Brush



		Characteristic	Perform	ance		Notified body - Report	Tested size [mm]	
			Essent	ial charac	cteri	istics		
	4.2	Resistance to wind load	<b>C2</b> (800	Pa)		[0960] – 21.00162 rev A	1352x2204	
	4.5	Watertightness	<b>4A</b> (150	<b>4A</b> (150 Pa)		[0960] – 21.00162 rev A	1352x2204	
	4.6	Dangerous substances	In the mate	erials deliv	ered	l by Reynaers, no dangerous s in hEN 14351-1 are used.	ubstances as indicated	
	4.7	Impact resistance	5 <sup>(1)</sup>			[0960] - 09.1168 <sup>(2)</sup>	604x1739	
351-1	4.8	Load-bearing capacity of safety devices	Pas	5		[0960] – 20.00710.1	1400x3000	
EN 14351-1	4.9	Height & width				See 6		
	4.11	Acoustic performance	Glass: <b>34 (-1;-4)</b>	Doors 23 (-1;-2		[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1304 x 2062~2942	
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These proper			must be evaluated by the CE-la	abel of the glass	
	4.14	Air permeability	2		[0960] – 21.00162 rev A		1352x2204	
			Non-esse	ential cha	ract	eristics		
	4.4.1	Reaction to fire	Anodized Painted Gasket	: A2	с	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	1			[0960] – 20.01458	1400x3000, 180 kg	
	4.17	Mechanical strength	4			[0960] – 20.00710.1	1400x3000, 250 kg	
Ξ	4.18	Ventilation				npd		
N 14351-1	4.19	Bullet resistance (BP version)				npd		
EN	4.20	Explosion resistance				npd		
	4.21	Resistance to repeated opening and closing	<b>8</b> (1.000 (	000)		[0960] – 20.00710.1	1400x3000, 250 kg	
	4.22	Behaviour between different climates				npd		
	4.23	Burglar resistance (AP version)	RC2 RC3			[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report	



#### 5.7 Flush doors / Single-outward opening / Bottom profile



# 

		Characteristic	Performance		١	lotified body - Report	Tested size [mm]		
			Essent	tial charac	terist	ics			
	4.2	Resistance to wind load	C2 (800 C2 (800 C3 (120	) Pa) 0 Pa)	-	960] – 21.00162 Rev A [0960] – 20.01458 [0960] – 22.00924	1400x2600 1400x3000 1203x3562		
	4.5	Watertightness	9A (600 7A (300 7A (300	) Pa)	[0	960] – 21.00162 Rev A [0960] – 20.01458 [0960] – 22.00924	1400x2600 1400x3000 1203x3562		
	4.6	Dangerous substances	In the mate	erials delive		y Reynaers, no dangerous s n hEN 14351-1 are used.	ubstances as indicated		
	4.7	Impact resistance	5 (1)	)		[0960] - 09.1168 (2)	604x1739		
51-1	4.8	Load-bearing capacity of safety devices	Pas	s		[0960] – 20.00710.1	1400x3000		
EN 14351-1	4.9	Height & width				See 6			
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	34 (-1;-4) 37 (-2;-4)   41 (-2;-4) 39 (-2;-4)		[0757] – 18-000457- PR03 (GAS-C01-04-en- 01)	889~1279 x 2062~2452		
	4.12	Thermal transmittance	dimension	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These properties n			ust be evaluated by the CE-la	abel of the glass		
	4.14	Air permeability	4 3 3		[0960] – 21.00162 Rev A [0960] – 20.01458 [0960] – 22.00924		1400x2600 1400x3000 1203x3562		
	<u> </u>	•	Non-esse	ential char	acter				
	4.4.1	Reaction to fire	Anodize Painted Gasket	: <b>A2</b>	cer	EC decision 96/603/EC tificate EFR-21-001664A [0432] – 230006500-6			
	4.16	Operating forces	1			[0960] – 20.01458	1400x3000, 180 kg		
	4.17	Mechanical strength	4			[0960] – 20.00710.1	1400x3000, 250 kg		
5	4.18	Ventilation				npd			
EN 14351-1	4.19	Bullet resistance (BP version)				npd			
Ξ	4.20	Explosion resistance				npd			
	4.21	Resistance to repeated opening and closing	<b>8</b> (1.000 (	000)		[0960] – 20.00710.1	1400x3000, 250 kg		
	4.22	Behaviour between different climates			npd				
	4.23	Burglar resistance (AP version)	RC2 RC3			[1309] – 22-27/10.122 1136] – GSFM-20-083	See report		

<sup>(3)</sup> For casement W x H  $\leq$  1050 x 2200. For casement W x H  $\leq$  1304 x 2942: 42 (-2;-4)



#### 5.8 Flush doors / Single-outward opening / Automatic bottom seal

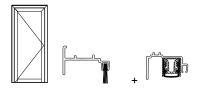


		Characteristic	Perform	ance	١	Notified body - Report	Tested size [mm]	
			Essen	Essential characteristics				
	4.2	Resistance to wind load	<b>C2</b> (800	) Pa)	[(	0960] – 21.00162 rev A	1352x2204	
	4.5	Watertightness	<b>4A</b> (150 Pa)		[0	960] – 21.00162 rev A <sup>(3)</sup>	1352x2204	
	4.6	Dangerous substances	In the materials deliv			y Reynaers, no dangerous s n hEN 14351-1 are used.	ubstances as indicated	
	4.7	Impact resistance	5 <sup>(1)</sup>	)		[0960] - 09.1168 <sup>(2)</sup>	604x1739	
51-1	4.8	Load-bearing capacity of safety devices	Pas	s		[0960] – 20.00710.1	1400x3000	
EN 14351-1	4.9	Height & width		See 6				
	4.11	Acoustic performance	Glass: Doors: 34 (-1;-4) 33 (-2;-5 41 (-2;-4) 34 (-1;-3 50 (-2;-8) 35 (-1;-2		)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2942	
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These proper		es mi	ust be evaluated by the CE-la	abel of the glass	
	4.14	Air permeability	3		[(	0960] – 21.00162 rev A	1352x2204	
		•	Non-ess	ential chara	acter	istics		
	4.4.1	Reaction to fire	Anodize Painted Gasket	: <b>A2</b>	cer	EC decision 96/603/EC rtificate EFR-21-001664A [0432] – 230006500-6		
	4.16	Operating forces	1			[0960] – 20.01458	1400x3000, 180 kg	
	4.17	Mechanical strength	4			[0960] – 20.00710.1	1400x3000, 250 kg	
51-1	4.18	Ventilation				npd		
EN 14351	4.19	Bullet resistance (BP version)				npd		
Ē	4.20	Explosion resistance				npd		
	4.21	Resistance to repeated opening and closing	<b>8</b> (1.000 000)			[0960] – 20.00710.1	1400x3000, 250 kg	
	4.22	Behaviour between different climates				npd		
	4.23	Burglar resistance (AP version)	RC2 RC3			[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report	

(3) Automatic bottom seal + Brush



#### 5.9 Window doors / Single-outward opening



		Characteristic	Performance	Notified body - Report	Tested size [mm]						
			Essential charac	cteristics							
	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)	[0960] – 21.00762-0	1200x2800						
	4.5	Watertightness		npd							
	4.6	Dangerous substances	In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used.								
	4.7	Impact resistance	<b>5</b> <sup>(1)</sup>	604x1739							
EN 14351-1	4.8	Load-bearing capacity of safety devices		npd							
EN 14	4.9	Height & width		See 6							
	4.11	Acoustic performance	npd								
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.								
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass								
	4.14	Air permeability	3	[0960] – 21.00762-0	1200x2800						
			Non-essential cha	racteristics							
	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6							
	4.16	Operating forces	2	[0960] – 22.00088.1	1400x3000, 160 kg						
	4.17	Mechanical strength		npd							
7	4.18	Ventilation		npd							
N 14351-1	4.19	Bullet resistance (BP version)		npd							
EN	4.20	Explosion resistance		npd							
	4.21	Resistance to repeated opening and closing	npd								
	4.22	Behaviour between different climates		npd							
	4.23	Burglar resistance (AP version)		npd							



#### 5.10 Flush doors / Double-inward opening / Brush



∐ł∕́—									
		Characteristic	Performan	ce	Notified body - Report	Tested size [mm]			
		-	Essenti	al charac	teristics	-			
	4.2	Resistance to wind load	<b>C2</b> (800 Pa	a)	[0960] – 21.00162 rev A	1352x2350			
	4.5	Watertightness	<b>3A</b> (100 Pa	a)	[0960] – 21.00162 rev A	1352x2350			
	4.6	Dangerous substances	In the mater	ials delive	ered by Reynaers, no dangerous in hEN 14351-1 are used.	substances as indicated			
	4.7	Impact resistance	<b>5</b> <sup>(1)</sup>	[09	960] – SKG/HRU/age/12.0649 <sup>(2)</sup>	649x1742			
EN 14351-1	4.8	Load-bearing capacity of safety devices	Pass		[0960] – 22.00323	1400x3000			
EN 14	4.9	Height & width			See 6				
	4.11	Acoustic performance	Glass: 34 (-1;-4)	Doors: 23 (-1;-2		889~1279 x 2062~2452			
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.						
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass						
	4.14	Air permeability	2		[0960] – 21.00162 rev A	1352x2350			
		•	Non-esse	ntial char	acteristics				
	4.4.1	Reaction to fire	Anodized: A Painted: A Gaskets: I	2	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces	0		[0960] – 22.00323	1400x3000, 353 kg			
	4.17	Mechanical strength	4		[0960] – 22.00323	1400x3000, 353 kg			
7	4.18	Ventilation			npd				
N 14351-1	4.19	Bullet resistance (BP version)			npd				
EN	4.20	Explosion resistance			npd				
	4.21	Resistance to repeated opening and closing	<b>7</b> (500.000)		[0960] – 22.00323	1400x3000, 353 kg			
	4.22	Behaviour between different climates			npd				
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report			



Tested size [mm]

#### 5.11 Flush doors / Double-inward opening / Bottom profile

Performance



Characteristic

			Essent	tial charact	teristics		
	4.2	Resistance to wind load	<b>C2</b> (800	Pa)	[0960] – 21	.00162 rev A	1338x2352
	4.5	Watertightness	<b>6A</b> (250	Pa)	[0960] – 21	.00162 rev A	1338x2352
	4.6	Dangerous substances	In the mate	erials delive		rs, no dangerous sul 51-1 are used.	bstances as indicated
	4.7	Impact resistance	<b>5</b> <sup>(1)</sup>	[0	0960] – SKG/HI	RU/age/12.0649 <sup>(2)</sup>	649x1742
51-1	4.8	Load-bearing capacity of safety devices	Pass		[0960] —	22.00323	1400x3000
EN 14351-1	4.9	Height & width			S	See 6	
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	34 (-1;-4) 36 (-3;-6 41 (-2;-4) 38 (-3;-5		;-6) [0757] – 18-000457-PR03 ;-5) (GAS-C01-04-en-01)	
	4.12	Thermal transmittance	dimension	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.			
	4.13	Radiation properties	These prop		perties must be evaluated by the CE-label of the glass		
	4.14	Air permeability	3		[0960] – 21.00162 rev A		1338x2352
			Non-esse	ential chara	acteristics		
	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>		certificate EF	n 96/603/EC R-21-001664A 30006500-6	
	4.16	Operating forces	0		[0960] –	22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4		[0960] – 22.00323		1400x3000, 353 kg
7	4.18	Ventilation		npd			
EN 14351-1	4.19	Bullet resistance (BP version)	npd				
	4.20	Explosion resistance				npd	
	4.21	Resistance to repeated opening and closing	<b>7</b> (500.00	0)	[0960] – 22.00323		1400x3000, 353 kg
	4.22	Behaviour between different climates				npd	
	4.23	Burglar resistance (AP version)	RC2 RC3		[1309] – 22-27/10.122 [1136] – GSFM-20-083		See report

Notified body - Report



#### 5.12 Flush doors / Double-inward opening / Automatic bottom seal

10h



		Characteristic	Performa	nce		Notified body - Report	Tested size [mm]
			Essent	tial char	acter		
	1	1					
	4.2	Resistance to wind load	to wind load <b>B2</b> (800 Pa)			[0960] – 21.00162 rev A	1352x2500
	4.5	Watertightness	<b>3A</b> (100	Pa)		[0960] – 21.00162 rev A	1352x2500
	4.6	Dangerous substances	In the mate	erials del	iverec	l by Reynaers, no dangerous su in hEN 14351-1 are used.	bstances as indicated
	4.7	Impact resistance	5 <sup>(1)</sup>		[096	60] – SKG/HRU/age/12.0649 <sup>(2)</sup>	649x1742
51-1	4.8	Load-bearing capacity of safety devices	Pass			[0960] – 22.00323	1400x3000
EN 14351-1	4.9	Height & width				See 6	
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Dooi 33 (-2 34 (-1 35 (-1	;-5) ;-3)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function dimensions 2000x2180mm can calculated under certification		function of the project. Pre-calconn can be found in the Uf-value ication of BCCA: certificate BPC	tables. Uf-values are	
	4.13	Radiation properties			perties must be evaluated by the CE-label of the glass		pel of the glass
	4.14	Air permeability	2			[0960] – 21.00162 rev A	1352x2500
	•		Non-esse	ential ch	aract	eristics	
	4.4.1	Reaction to fire	Anodized Painted: Gaskets	A2	C	EC decision 96/603/EC ertificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0	0 [0960] – 22.00323		[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4			[0960] – 22.00323	1400x3000, 353 kg
51-1	4.18	Ventilation			npd		
EN 14351	4.19	Bullet resistance (BP version)				npd	
Ē	4.20	Explosion resistance	npd		npd		
	4.21	Resistance to repeated opening and closing	<b>7</b> (500.00	0)		[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates				npd	
	4.23	Burglar resistance (AP version)	RC2 RC3			[1309] – 22-27/10.122 1136] – GSFM-20-083	See report



#### 5.13 Flush doors / Double-outward opening / Brush



	Characteristic Performance					Notified body - Report	Tested size [mm]
			Essent	tial chara	acter	istics	
	4.2	Resistance to wind load	<b>B2</b> (800	Pa)		[0960] – 21.00162 rev A	1352x2350
	4.5	Watertightness	<b>4A</b> (150	Pa)		[0960] – 21.00162 rev A	1352x2350
	4.6	Dangerous substances	In the mate	erials deli	verec	l by Reynaers, no dangerous sul in hEN 14351-1 are used.	bstances as indicated
	4.7	Impact resistance	5 <sup>(1)</sup>		[096	0] – SKG/HRU/age/12.0649 <sup>(2)</sup>	649x1742
351-1	4.8	Load-bearing capacity of safety devices	Pass			[0960] – 22.00323	1400x3000
EN 14351-1	4.9	Height & width				See 6	
	4.11	Acoustic performance	Glass: <b>34 (-1;-4)</b>	Door: 23 (-1;		[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.				tables. Uf-values are
	4.13	Radiation properties	These prope		erties must be evaluated by the CE-label of the glass		oel of the glass
	4.14	Air permeability	2			[0960] – 21.00162 rev A	1352x2350
		·	Non-esse	ential cha	aract	eristics	
	4.4.1	Reaction to fire	Anodized Painted: Gaskets	A2	C	EC decision 96/603/EC ertificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0			[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4			[0960] – 22.00323	1400x3000, 353 kg
5	4.18	Ventilation	npd				
N 14351-1	4.19	Bullet resistance (BP version)		npd			
EN	4.20	Explosion resistance				npd	
	4.21	Resistance to repeated opening and closing	<b>7</b> (500.00	0)		[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates				npd	
	4.23	Burglar resistance (AP version)	RC2 RC3			[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report



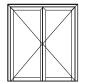
#### 5.14 Flush doors / Double-outward opening / Bottom profile



Characteristic		Performance		Notified body - Report		Tested size [mm]	
	Γ		Essent	ial chara	acteri	stics	
	4.2	Resistance to wind load	<b>C2</b> (800 l	⊃a)		[0960] – 21.00162 rev A	1339x2352
	4.5	Watertightness	<b>7A</b> (300 l	⊃a)		[0960] – 21.00162 rev A	1339x2352
	4.6	Dangerous substances	In the mate	rials deli	vered	by Reynaers, no dangerous sul in hEN 14351-1 are used.	ostances as indicated
	4.7	Impact resistance	<b>5</b> <sup>(1)</sup>		[096	0] – SKG/HRU/age/12.0649 <sup>(2)</sup>	649x1742
51-1	4.8	Load-bearing capacity of safety devices	Pass			[0960] – 22.00323	1400x3000
EN 14351-1	4.9	Height & width				See 6	
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Door 36 (-3 38 (-3 41 (-1	;-6) ;-5)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1279 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.				tables. Uf-values are
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass		el of the glass		
	4.14	Air permeability	3		[0960] – 21.00162 rev A		1339x2352
			Non-esse	ential ch	aract	eristics	
	4.4.1	Reaction to fire	Painted:	Anodized: A1 EC decision 96/603/EC   Painted: A2 certificate EFR-21-001664A   Gaskets: [0432] - 230006500-6			
	4.16	Operating forces	0			[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4		[0960] – 22.00323		1400x3000, 353 kg
5	4.18	Ventilation	npd				
EN 14351-1	4.19	Bullet resistance (BP version)				npd	
ũ	4.20	Explosion resistance				npd	
	4.21	Resistance to repeated opening and closing	<b>7</b> (500.000)			[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates			npd		
	4.23	Burglar resistance (AP version)	RC2 RC3			See report	



#### 5.15 Flush doors / Double-outward opening / Automatic bottom seal



r Tuh

Characteristic		Performance		Notified body - Report		Tested size [mm]	
		I	Essent	ial char	acteri	istics	
	4.2	Resistance to wind load	C2 (800 I	Pa)		[0960] – 21.00162 rev A	1352x2500
	4.5	Watertightness	<b>3A</b> (100 l	Pa)		[0960] – 21.00162 rev A	1352x2500
	4.6	Dangerous substances	In the mate	rials del	ivered	l by Reynaers, no dangerous su in hEN 14351-1 are used.	bstances as indicated
	4.7	Impact resistance	5 <sup>(1)</sup>		[096	60] – SKG/HRU/age/12.0649 <sup>(2)</sup>	649x1742
51-1	4.8	Load-bearing capacity of safety devices	Pass			[0960] – 22.00323	1400x3000
EN 14351-1	4.9	Height & width				See 6	
	4.11	Acoustic performance	Glass: 34 (-1;-4) 41 (-2;-4) 50 (-2;-8)	Door 33 (-2 34 (-1 35 (-1	;-5) ;-3)	[0757] – 18-000457-PR03 (GAS-C01-04-en-01)	889~1200 x 2062~2452
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U- dimensions 2000x2180mm can be found in the Uf-value tables. U calculated under certification of BCCA: certificate BPCB-420-72		tables. Uf-values are		
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass			oel of the glass	
	4.14	Air permeability	2	2 [0960] – 21.00162 rev A		1352x2500	
	1		Non-esse	ential ch	aract	eristics	
	4.4.1	Reaction to fire	Anodized: Painted: Gaskets:	A2	C	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6	
	4.16	Operating forces	0			[0960] – 22.00323	1400x3000, 353 kg
	4.17	Mechanical strength	4			[0960] – 22.00323	1400x3000, 353 kg
7	4.18	Ventilation	npd				
N 14351-1	4.19	Bullet resistance (BP version)	npd				
EN	4.20	Explosion resistance				npd	
	4.21	Resistance to repeated opening and closing	<b>7</b> (500.00	0)		[0960] – 22.00323	1400x3000, 353 kg
	4.22	Behaviour between different climates				npd	
	4.23	Burglar resistance (AP version)	RC2 RC3			[1309] – 22-27/10.122 [1136] – GSFM-20-083	See report

#### MasterLine 8 Doors



#### 5.16 Pivot door



		Characteristic	Performance	Notified body - Report	Tested size [mm]			
			Essential charac	cteristics	I			
	4.2	Resistance to wind load	<b>C3</b> (1200 Pa)	[0960] - 19.00305 <sup>(5)</sup>	1700x2700			
	4.5	Watertightness	<b>4A</b> (150 Pa)	[0960] – 19.00305 <sup>(5)</sup>	1700x2700			
	4.6	Dangerous substances	In the materials delive	ered by Reynaers, no dangerous su in hEN 14351-1 are used.	bstances as indicated			
	4.7	Impact resistance		npd				
351-1	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 18.01316	1700x2700			
EN 14351-1	4.9	Height & width		See 6				
	4.11	Acoustic performance	npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass					
	4.14	Air permeability	4	[0960] - 19.00305 <sup>(5)</sup>	1700x2700			
			Non-essential cha	racteristics				
	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces	1	[0960] – 18.01316	1700x2700, 204 kg			
	4.17	Mechanical strength	4	[0960] – 18.01316	1700x2700, 204 kg			
7	4.18	Ventilation	npd					
N 14351-1	4.19	Bullet resistance (BP version)		npd				
Ш	4.20	Explosion resistance		npd				
	4.21	Resistance to repeated opening and closing	<b>5</b> (100 000)	[0960] – 18.01316	1700x2700, 204 kg			
	4.22	Behaviour between different climates		npd				
	4.23	Burglar resistance (AP version)	RC2	[1136] – CAR-19-075 [1136] – CAR-19-257	See report			

<sup>(5)</sup> With double manual lock



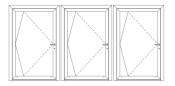
### 5.17 Pivot door XL



Characteristic		Performance Notified body - Report		Tested size [mm]				
	1		Essential char	acteristics				
	4.2	Resistance to wind load	<b>C2</b> (800 Pa)	[0960] – 20.00498	2000x3200			
	4.5	Watertightness	<b>4A</b> (150 Pa)	[0960] — 20.00498	2000x3200			
	4.6	Dangerous substances	In the materials deliv	vered by Reynaers, no dangerous su hEN 14351-1 are used.	ubstances as indicated in			
	4.7	Impact resistance		npd				
EN 14351-1	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 21.00298	2500x3559			
EN 14	4.9	Height & width		See 6				
	4.11	Acoustic performance		npd				
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These properties must be evaluated by the CE-label of the glass					
	4.14	Air permeability	3	[0960] — 20.00498	2000x3200			
		•	Non-essential ch	aracteristics				
	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces	2	[0960] – 21.00298	2500x3559, 488 kg			
	4.17	Mechanical strength	4	[0960] – 21.00298	2500x3559, 488 kg			
7	4.18	Ventilation		npd				
N 14351-1	4.19	Bullet resistance (BP version)		npd				
EN	4.20	Explosion resistance		npd				
	4.21	Resistance to repeated opening and closing	<b>5</b> (100 000)	[0960] – 21.00298	2500x3559, 488 kg			
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)		npd				



#### 5.18 Multi-leaf pivot door XL



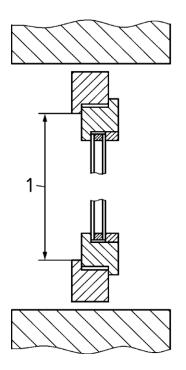
		Characteristic	Performance	Notified body - Report	Tested size [mm]			
			Essential charac	cteristics				
	4.2	Resistance to wind load	<b>B2</b> (800 Pa)	[0960] – 20.00737	1865x3500			
	4.5	Watertightness		npd				
	4.6	Dangerous substances	In the materials delive	red by Reynaers, no dangerous su hEN 14351-1 are used.	ubstances as indicated in			
	4.7	Impact resistance		npd				
EN 14351-1	4.8	Load-bearing capacity of safety devices	Pass	[0960] – 21.00298	2500x3559			
EN 14	4.9	Height & width		See 6				
	4.11	Acoustic performance	npd					
	4.12	Thermal transmittance	Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 2000x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2.					
	4.13	Radiation properties	These propert	abel of the glass				
	4.14	Air permeability	2	[0960] – 20.00737	1865x3500			
			Non-essential cha	racteristics				
	4.4.1	Reaction to fire	Anodized: <b>A1</b> Painted: <b>A2</b> Gaskets: <b>E</b>	EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6				
	4.16	Operating forces	2	[0960] – 21.00298	2500x3559, 488 kg			
	4.17	Mechanical strength	4	[0960] – 21.00298	2500x3559, 488 kg			
ī	4.18	Ventilation		npd				
N 14351-1	4.19	Bullet resistance (BP version)	P					
EN	4.20	Explosion resistance		npd				
	4.21	Resistance to repeated opening and closing	<b>5</b> (100 000)	[0960] — 21.00298	2500x3559, 488 kg			
	4.22	Behaviour between different climates	npd					
	4.23	Burglar resistance (AP version)		npd				

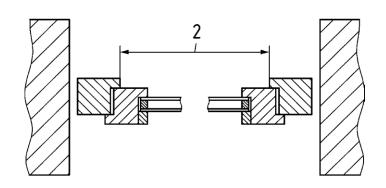
MasterLine 8 Doors



#### 6 RULE FOR DEFINITION OF CLEAR OPENING HEIGHT AND WIDTH

The clear opening height 1 and clear opening width 2 are defined as indicated in following sketches of EN 12519:2018.







#### UPDATES

#### \_\_\_\_\_

#### 10/02/2023

	VARIANTS	Characteristic
22.00088 Rev A	5.1~5.3	4.16 + 4.21
22.00924	5.6	4.2 + 4.5 + 4.14
22-27/10.122	5.1~5.3 , 5.5~5.7, 5.9 ~5.14	

#### 12/05/2023

	VARIANTS	Characteristic
<del>19.00840</del>	5.2	4.2 + 4.5 + 4.14

#### 16/01/2024

	VARIANTS	Characteristic
Text revision	GENERAL EXPLANATION	
Tested size [mm]	5.1 – 5.18	
Text revision	5.10, 5.13, 5.16, 5.17	4.12
18.01140	5.5	
22.00088.1	5.1 – 5.3	4.16 – 4.21

#### 08/02/2024

	VARIANTS	Characteristic
21.00162 Rev A	5.7	4.2 + 4.5 + 4.14

#### 05/03/2024

	VARIANTS	Characteristic
20.01458	5.6, 5.7, 5.8	4.16
22.00088.1	5.4, 5.9	4.16

#### 10/04/2024

	VARIANTS	Characteristic
21.00162 Rev A	<del>5.1</del>	4.5