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Catalog
Extract
LV 10

Edition
10/2023

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

System Cubicles, System Lighting and System Air-Conditioning

siemens.com/lowvoltage

Промэлектроника, sales@prom-elec.com

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Innovative solutions for industrial controls and power distribution

Reliable components and systems are essential in ensuring smooth power distribution in buildings and industrial plants.

With SIRIUS, SENTRON, SIVACON and ALPHA, we offer an innovative portfolio for standard-compliant and demand-oriented applications.

Efficient engineering tools and innovative cloud-based solutions can be flexibly tailored to individual requirements.

We are there when you need us

Your personal contact can be found at
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Catalog LV 10 · 10/2023

You will find the latest edition and all future editions in SiePortal at **www.siemens.com/lowvoltage/catalogs**

You can find the current prices in SiePortal at
www.siemens.com/lowvoltage/product-catalog

The products and systems described in this catalog are manufactured/distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos., see **www.siemens.com/system-certificates/ep**).
The certificate is recognized by all IQNet countries.

Technical specifications
The technical specifications are for general information purposes only. Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

All illustrations are not binding.

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Low-Voltage Power Distribution and Electrical Installation Technology

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Equipped for all applications

Maximum flexibility and minimum space requirement – these are the key prerequisites for high-performance switchgear and control cabinets in industrial environments. Switchgear cabinet manufacturers have to respond increasingly rapidly to their efficiency-conscious customers' requirements. Simplified configuration, planning and implementation bring you additional competitive advantages. The SIVACON 8MF1 system cubicles were rigorously designed to meet the increased demands placed on control cabinet construction.

The SIVACON 8MF1 modular system enables custom-tailored solutions to be configured for virtually all industrial sectors and applications. Whether fully assembled, adapted according to your specifications, or developed individually, the system cubicles support the individual creation of added value in control cabinet construction. With SIVACON 8MF1, you can also be sure of absolute compliance with relevant standards: The switchgear enclosures meet all currently applicable standards and regulations. Special versions, and control cabinets with various special certifications and specific approvals, as well as variants adapted to specific sectors, can be individually developed.

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System Cubicles, System Lighting and System Air-Conditioning

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A multitude of additional information ...

Information + ordering

All the important things at a glance

For information about system cubicles, system lighting and system air-conditioning, please visit our website
www.siemens.com/sivacon-8mf

Your product in detail

The SiePortal platform (knowledge base) provides comprehensive information
www.siemens.com/lowvoltage/product-support

- Brochure
  - SIVACON 8MF1 system cubicles – As versatile as your requirements (109744677)

The relevant tender specifications can be found at
www.siemens.com/tenderspecifications

Use our conversion tool for quick and easy conversion to Siemens products www.siemens.com/conversion-tool

Everything you need for your order

Refer to SiePortal to find an overview of your products (product catalog)

- System cubicles sie.ag/339cQB9

Direct forwarding to the individual products in SiePortal by clicking on the article number in the catalog or entering this web address incl. article number
www.siemens.com/product_catalog_SIEP?Article No.

Configurators

The configurator reduces the time and effort required in the planning and ordering process, and allows for individual adaptations. Configure your SIVACON 8MF1 system cubicle at
www.siemens.com/lowvoltage/8mf1-configurator

The following are additionally available for your configured SIVACON 8MF1 system cubicle:

- Parts lists
- 2D data
- 3D data

The fast track to the experts

Contact persons in your region

We offer a comprehensive portfolio of services.
You can find your local contacts at
www.siemens.com/lowvoltage/systems/contact

You will find further information on services at
www.siemens.com/service-offers

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at
www.siemens.com/support-request

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… can be found in our online services

Commissioning + operation

SIMARIS therm

The SIMARIS therm calculation tool helps you to easily and precisely dimension the heat dissipation of your control panels, simply by entering the ambient air temperature and selecting the relevant devices in the panel. If necessary, you can immediately select the necessary cooling devices and air conditioners. You can also define the necessary heating power for anti-condensation heating
www.siemens.com/simaristherm

Ihr Produkt im Detail

The SiePortal platform (knowledge base) provides detailed technical information
www.siemens.com/lowvoltage/product-support

- Operating instructions
- Certificates

Online Support app available for download from the
App Store and **Play Store**
You will find further information at
www.siemens.com/support-app

Provision of 3D data (step and u3d data formats)

- SiePortal (product catalog)
  www.siemens.com/lowvoltage/product-catalog
- Image database
  www.siemens.com/lowvoltage/picturedb

Engineering data for CAD or CAE systems are available in the CAx Download Manager at
www.siemens.com/cax

Technical overview – System cubicles, system lighting and system air-conditioning

The fast way to get you to our online services

This page provides you with comprehensive information and links on system cubicles, system lighting and system air-conditioning
www.siemens.com/lowvoltage/product-support (109769091)

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System overview

System cubicles, system lighting and system air-conditioning

For a complete and valid configuration of your system cubicle, please use our online configurator at www.siemens.com/lowvoltage/8mf1-configurator

SIVACON 8MF1 basic cubicles

Basic cubicles, IP40

Basic cubicles, IP55

Ventilated cubicles, IP20

Data cubicles, IP40

Earthquake-resistant cubicles, IP40

SIVACON 8MF1 configurable enclosures – Frames

Standard frames

Corner frames

Frame accessories

Bases

Separators

Trim strips

Transport eyebolts

Transport brackets

Cubicle suites

SIVACON 8MF1 configurable enclosures – Enclosures

Doors

Ventilated doors

Glass doors

Door halves

Compartment doors

Side walls/ rear walls

Rooves

Floors

Enclosure accessories

Roof trays

Covers

Grilles

Strips

Hinges

Rotary handles

Door position switches

Door stays

Note:
You will find a detailed range of accessories with the basic units and in the Accessories section.

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SIVACON 8MF1 configurable enclosures – Interior installation

Mounting panels | Mounting plates | Partitions | Shelves | Busbars

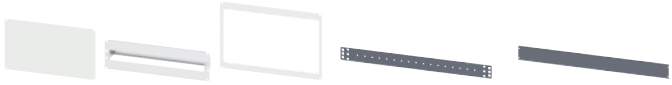
Interior installation accessories

Brackets | Groundings | Grounding screws

SIVACON 8MF1 configurable enclosures – 19-inch expansion

Swing frames | Fixed-mounted

19-inch expansion accessories



Covers | Universal supports | Device panels

SIVACON 8MF/8MR system lighting – LED lights

With motion detector | With On/Off switch | Without switching function

LED lights accessories

Cables, plugs and sockets

SIVACON 8MF/8MR system lighting – Slimline lights

With motion detector and socket | With On/Off switch and socket

SIVACON 8MR system air-conditioning

Filters and filter fans | Air conditioners/ cooling devices | Heat exchangers | Heater units | Fan heaters | Thermostats, hygrostats, hygrotherms

Note:
You will find a detailed range of accessories with the basic units and in the Accessories section.

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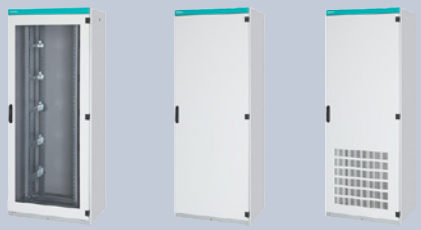
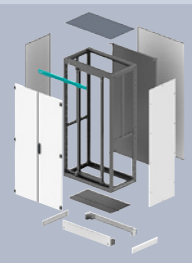
System overview

SIVACON 8MF1 system cubicles





		Standard types		Individual types
Available dimensions				
Height	mm	1800 | 2000 | 2200		Special dimensions available on request (max. 2400 mm)
Width	mm	400 | 600 | 800 | 900 | 1000 | 1200		Special dimensions available on request (max. 1600 mm)
Depth	mm	400 | 500 | 600 | 800 | 1000		Special dimensions available on request (max. 1200 mm)
Approvals				
Standards		IEC 62208		IEC 62208
Protection				
Degree of protection		IP20 | IP40 | IP55 | Shock resistance IK09 | Glass doors IK08		IP20 | IP21 | IP40 | IP41 | IP42 | IP55 | Shock resistance IK09 | Glass doors IK08
Protection class		I		I
Enclosure				
Material		Sheet steel		Sheet steel
Surface		Zinc-plated | Powder-coated		Zinc-plated | Powder-coated
Color		RAL 7035 (light gray)		All RAL colors available, other color palettes available on request
Corrosivity category acc. to EN ISO 12944-2		C3 medium, paint thickness 100 µm (±25 µm)		Up to C5-M very high (marine), paint thickness 150 µm (±25 µm)
Material thickness				
Frame		2.5 mm		2.5 mm
Enclosure (without doors)		1.5 mm		≤ 2.5 mm
Mounting panels		2.5 mm		≤ 3.0 mm
Mounting plates		2.0 mm		≤ 3.0 mm
Doors		1.5 mm		≤ 2.0 mm
EMC attenuation				
EMC attenuation		www.siemens.com/lowvoltage/product-support		www.siemens.com/lowvoltage/product-support
Installable module heights (HU = 1 3/4" = 44.45 mm)				
		19" fixed-mounted	19" swing frame	
Height 1800 mm		36 HU	34 HU	On request
Height 2000 mm		41 HU	38 HU	On request
Height 2200 mm		45 HU	43 HU	On request

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Quick selection guide

Two installation types

Stand-alone installation
- With side panels
  (lockable in the case of data cubicles)

Suite installation
- Without side panels

Four versions

Basic version
- IP40 or IP55

Ventilated cubicles
- IP20
- Door and roof with ventilation fins

Data cubicles
- IP40
- Glass door at front
- Section door at rear
- Roof with cable entry
- 19" fixed-mounted

Earthquake-resistant version
- IP40
- Increased stability

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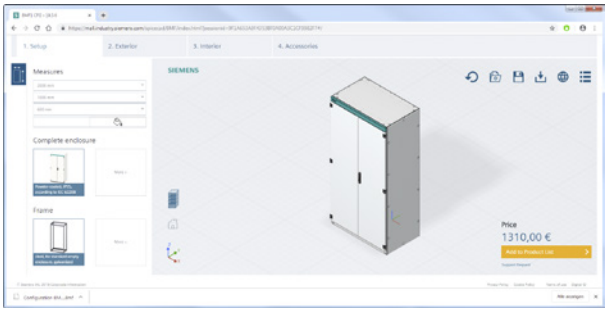
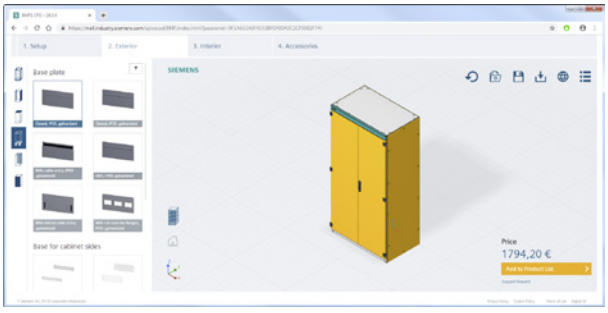
Online configurator highlights

www.siemens.com/lowvoltage/8mf1-configurator

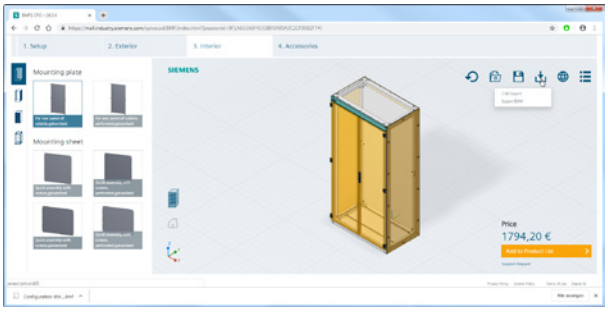
Graphical configuration directly on the 3D model



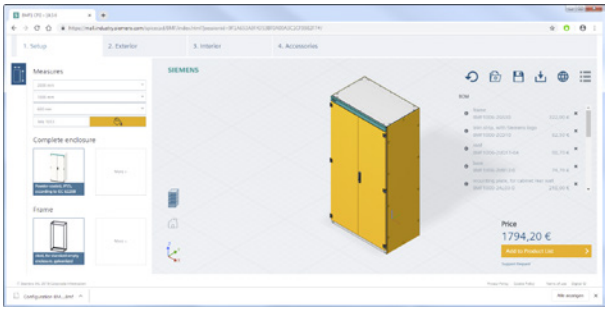
Customization of the control cabinet with cutouts and color



Exporting of parts lists and 3D and 2D data



Dynamic and interactive parts lists



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Structure of the article numbers

The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

			5	6	7	8	9	10	11
8MF1						3			
Height	1800 mm		8						
	2000 mm		0						
	2200 mm		2						
Width	400 mm			4					
	600 mm			6					
	800 mm			8					
	900 mm			9					
	1000 mm			0					
	1200 mm			2					
Depth	400 mm				4				
	500 mm				5				
	600 mm				6				
	800 mm				8				
	1000 mm				0				
Version	Basic						B		
	Ventilated						V		
	Data						D		
	Earthquake-resistant						E		
Installation	Stand-alone							S	
	Side by side							R	
Degree of protection	Basic cubicles, data cubicles	IP40							4
		IP55							5
	Ventilated cubicles	IP20							4
	Earthquake-resistant cubicles	IP40							5

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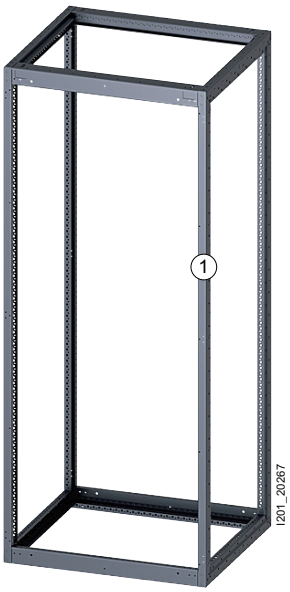
Quick selection guide

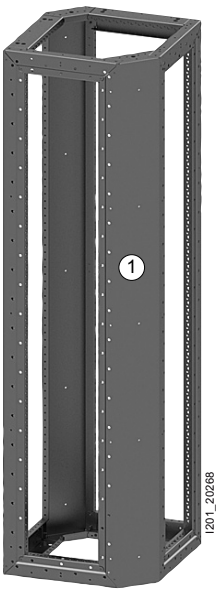
Frame

For standard enclosure



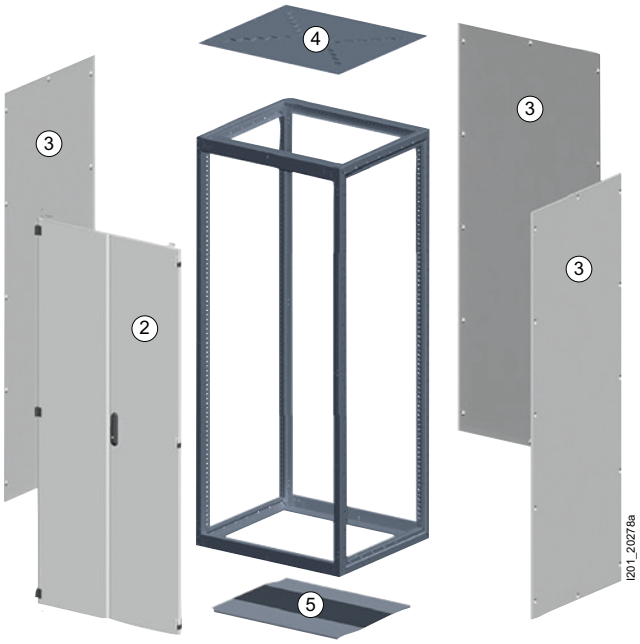
(1) Frame

For corner enclosure



(1) Frame

Enclosure



(2) Door, door half, compartment door
(3) Side panels, rear panel
(4) Roof
(5) Floor

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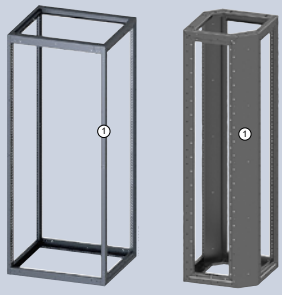
① Frame



The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

For standard enclosure

		5	6	7	8	9	10	11	12
8MF1					3	G	S		0
Height	1800 mm	8							
	2000 mm	0							
	2200 mm	2							
Width	400 mm		4						
	600 mm		6						
	800 mm		8						
	900 mm		9						
	1000 mm		0						
	1200 mm		2						
Depth	400 mm			4					
	500 mm			5					
	600 mm			6					
	800 mm			8					
	1000 mm			0					
Material, surface	Zinc-plated							3	
	Powder-coated, RAL 7035							4	

For corner enclosure

		5	6	7	8	9	10	11	12
8MF1					2	G	E		0
Height	1800 mm	8							
	2000 mm	0							
	2200 mm	2							
Width	400 mm		4						
	600 mm		6						
	800 mm		8						
	1000 mm		0						
Depth	400 mm			5					
	600 mm			7					
	800 mm			0					
	1000 mm			1					
Material, surface	Zinc-plated							3	

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① Frame

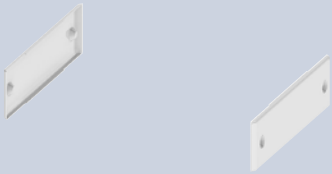
Accessories

The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

Base

8MF1		5	6	7	8	9	10
				0	2		
Height	100 mm	0					
	200 mm	2					
Width	400 mm		4				
	600 mm		6				
	800 mm		8				
	900 mm		9				
	1000 mm		0				
	1200 mm		2				
Version	Base for cubicles with door at the front and the rear					C	R
	Base and feet for cubicles with door at the front					C	S
	Base for corner cubicle					E	S

Base cover



8MF1		5	6	7	8	9	10
			0		2	C	
Height	100 mm	0					
	200 mm	2					
Depth	400 mm			4			
	500 mm			5			
	600 mm			6			
	800 mm			8			
	1000 mm			0			
Version	Base covers for cubicle sides						T

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The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

Trim strip

	5	6	7	8	9	10	11	12
8MF1	0		0	2	C	D		

Width	400 mm		4		
	600 mm		6		
	800 mm		8		
	900 mm		9		
	1000 mm		0		
	1200 mm		2		
Version	Trim strip petrol	Without Siemens logo, above the door	Without cutout	0	0
		With Siemens logo, left, above the door	Without cutout	1	0
		With Siemens logo, right, above the door	With cutout, left	1	6
		With Siemens logo, left, above the door	With cutout, right	1	7
	Trim strip RAL 7035	Without Siemens logo, below the door	Without cutout	0	8

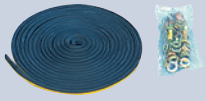
Separator

Separator for vertical division of the enclosure

Height	Article No.
1800 mm	8MF1165-2AT30
2000 mm	8MF1185-2AT30
2200 mm	8MF1205-2AT30

Mounting accessories

Accessories for cubicle suites



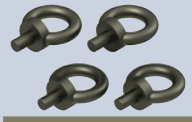
Version	Degree of protection	Article No.
Screw set	IP40	8MF1000-2CA
Sealing strip	IP40 to IP55	8MF1000-2CB
Side-by-side installation kit	IP40 EMC (IP55 not available)	8MF1000-2CE

Kit for stabilization of corner connections

Scope of supply	Article No.
8 units	8MF1000-2HF

Transport accessories

Transport eyebolts



Load bearing capacity	Article No.
Up to 500 kg	8MF1000-2CK

Transport brackets

Width	Article No.
400 mm	8MF1040-2CW
600 mm	8MF1060-2CW
800 mm	8MF1080-2CW
900 mm	8MF1090-2CW
1000 mm	8MF1000-2CW
1200 mm	8MF1020-2CW

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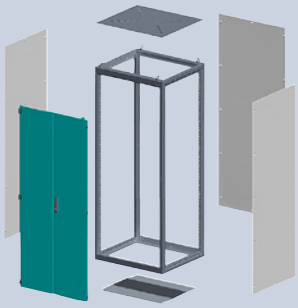
② Door, door halves, compartment door



Door, door halves

The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

	5	6	7	8	9	10	11	12	13	14	15	16
8MF1			0	2	U	T						

		5	6	11	12
Height	1800 mm	8			
	2000 mm	0			
	2200 mm	2			
Width	300 mm		3		
	400 mm		4		
	450 mm		7		
	500 mm		5		
	600 mm		6		
	800 mm		8		
	900 mm		9		
	1000 mm		0		
	1200 mm		2		
Door type	Door/inner door			1	
	Door halves (only available with hinging on the left)			2	
Hinge position	Left				5
	Right				4

				13	14	15	16
Door version	IP20	With ventilation openings	Foamed seal	1	B	A	2
	IP40	Closed	EMC seal	0	C	A	1
		With ventilation slits	Foamed seal	2	B	A	2
	IP55	Closed	Foamed seal	0	B	A	2
		With inspection window *Strips for door reinforcement cannot be mounted*	Foamed seal	0	B	E	2
	IPxx	With cutout 292 × 292 mm (up to IP55) for filter fan	Foamed seal	3	B	A	2
	–	Inner door, closed (up to 800 mm wide)	Without seal	4	B	A	2

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Compartment door

The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

	5	6	7	8	9	10	11	12	13	14	15	16
8MF1			0	2	U	T	3	4	0	B	A	2

		5
Compartment height	300 mm	3
	400 mm	4
	500 mm	5
	600 mm	6
	700 mm	7
	800 mm	8
	900 mm	9
	1000 mm	0
	1100 mm	1
	1200 mm	2

		6
Width	600 mm	6
	800 mm	8

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② Door, door halves, compartment door

Accessories

Door shelves

- Multi-purpose door bars required for mounting
- Shelf: RAL 7035

For door width	Mounting location			Article No.
	Door	Door halves	Compartment door	
600 mm	■	■	–	8MF1060-2VP
800 mm	■	■	–	8MF1080-2VP

Grilles

- To upgrade degree of protection from IP2x to IP4x
- Surface: zinc-plated

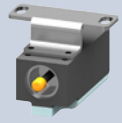
Width	Mounting location			Article No.
	Door	Door halves	Compartment door	
300 mm	■	■	–	8MF1030-2HM
400 mm	■	■	–	8MF1040-2HM
450 mm	■	■	–	8MF1070-2HM
500 mm	■	■	–	8MF1050-2HM
600 mm	■	■	–	8MF1060-2HM
800 mm	■	■	–	8MF1080-2HM
900 mm	■	■	–	8MF1090-2HM

Strips

- For door reinforcement
- Surface: zinc-plated
- Cannot be used for glass doors

Height	Mounting location			Article No.
	Door	Door halves	Compartment door	
1800 mm	■	■	–	8MF1008-2VM
2000 mm	■	■	–	8MF1000-2VM
2200 mm	■	■	–	8MF1002-2VM

Door position switches



Version				Article No.
1 NO + 1 NC (incl. 3SE5232-0HC05)	■	■	■	8MF1000-2VL
1 NO + 2 NC (incl. 3SE5232-0LC05)	■	■	■	8MF1000-2VR

Circuit diagram pockets

- Cannot be used for glass doors

Version	Mounting location			Article No.
	Door	Door halves	Compartment door	
Plastic	■	■	–	8MF1000-2VK
Steel, zinc-plated	■	■	–	8MF1000-2VU

Limit plates

For a number n of compartment doors, n–1 limit plates are additionally required.
Please order separately.

Width	Mounting location			Article No.
	Door	Door halves	Compartment door	
600 mm	–	–	■	8MF1060-2AK14-0
800 mm	–	–	■	8MF1080-2AK14-0

Door stays

- With variable opening angle: 90°, 120° and 150°
- Surface: zinc-plated

	Mounting location			Article No.
	Door	Door halves	Compartment door	
	■	■	–	8MF1000-2VG

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Rotary handles

Version	Mounting location			Article No.
	Door	Door halves	Compartment door	
With button insert and eye for padlock (Lock not included in 8MF portfolio)	■	–	–	8MF1000-2VN

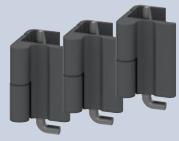
Rotary handle inserts

- Not suitable for door halves

Version	Mounting location			Article No.
	Door	Door halves	Compartment door	
Double-bit key 3 mm	■	–	–	8MF1000-2VA
Square key 8 mm	■	–	–	8MF1000-2VC
Triangular key 8 mm	■	–	–	8MF1000-2VD
Daimler	■	–	–	8MF1000-2VE
Cylinder lock	■	–	–	8MF1000-2VF

Spare part door

Hinge sets



Version	Mounting location			Article No.
	Door	Door halves	Compartment door	
For left-hand hinge (1 set = 3 units)	■	■	■	8MF1000-2VT
For right-hand hinge (1 set = 3 units)	■	■	■	8MF1000-2VW

Rotary handles

Version	Mounting location			Article No.
	Door	Door halves	Compartment door	
With button insert	■	–	–	8MF1000-2VP

Grounding cables for doors

Cable cross-section	Mounting location			Article No.
	Door	Door halves	Compartment door	
6 mm^2	■	■	■	8MF1010-2HD3

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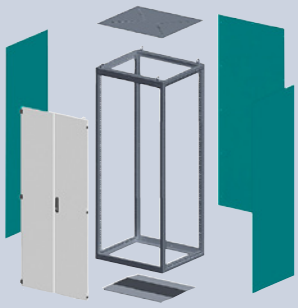
③ Side/rear walls and partition



The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

				5	6	7	8	9	10	11	12	13	14
8MF1							2	U	W				
Height		1800 mm		8									
		2000 mm		0									
		2200 mm		2									
Width		300 mm			3								
		400 mm			4								
		450 mm			7								
		500 mm			5								
		600 mm			6								
		800 mm			8								
		900 mm			9								
		1000 mm/ *No selection available for partitions*			0								
		1200 mm			2								
Depth		No value				0							
		400 mm				4							
		500 mm				5							
		600 mm				6							
		800 mm				8							
		1000 mm/*No selection available for side panels*				0							
Side wall/ rear wall	IP40	Closed	Without seal							6	0	1	C
			EMC seal							6	2	1	B
		Flat								6	3	1	C
	IP55	Closed	Foamed seal							6	1	1	C
Partition		Closed	Without seal							7	0	3	C

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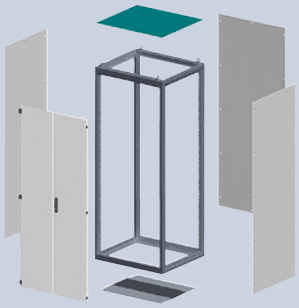
④ Roof



The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

For standard systems

8MF1	5	6	7	8	9	10	11	12	13	14
	0			2	U	D				

Width	400 mm			4						
	600 mm			6						
	800 mm			8						
	900 mm			9						
	1000 mm			0						
	1200 mm			2						
Depth	400 mm				4					
	500 mm				5					
	600 mm				6					
	800 mm				8					
	1000 mm				0					
Version	IP20	Perforated	Without seal				2	0	0	A
	IP40	Closed	Without seal				1	0	0	A
			EMC seal				1	2	0	A
		With ventilation fins	Without seal				3	0	0	A
	IP55	Closed	Foamed seal				1	1	0	A

For corner enclosure

8MF1	5	6	7	8	9	10	11	12	13	14
	0	0		2	U	E				

Width/depth	400/400 mm			4						
	600/600 mm			6						
	800/800 mm			8						
	1000/1000 mm			0						
Version	For corner cubicle	IP20	With ventilation openings				2	0	0	A
		IP40	Closed				1	0	0	A
			With ventilation openings				3	0	0	A
		IP55	Closed				1	1	0	A

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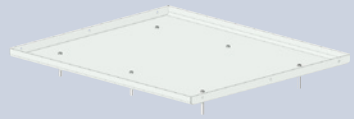
Accessories

Roof trays

Roof trays for increasing the degree of protection, IPX1



Width	Depth	Article No.
400 mm	400 mm	8MF1044-2VH
	500 mm	8MF1045-2VH
	600 mm	8MF1046-2VH
	800 mm	8MF1048-2VH
	1000 mm	8MF1040-2VH
600 mm	400 mm	8MF1064-2VH
	500 mm	8MF1065-2VH
	600 mm	8MF1066-2VH
	800 mm	8MF1068-2VH
	1000 mm	8MF1060-2VH
800 mm	400 mm	8MF1084-2VH
	500 mm	8MF1085-2VH
	600 mm	8MF1086-2VH
	800 mm	8MF1088-2VH
	1000 mm	8MF1080-2VH
900 mm	400 mm	8MF1094-2VH
	500 mm	8MF1095-2VH
	600 mm	8MF1096-2VH
	800 mm	8MF1098-2VH
	1000 mm	8MF1090-2VH
1000 mm	400 mm	8MF1004-2VH
	500 mm	8MF1005-2VH
	600 mm	8MF1006-2VH
	800 mm	8MF1008-2VH
	1000 mm	8MF1000-2VH
1200 mm	400 mm	8MF1024-2VH
	500 mm	8MF1025-2VH
	600 mm	8MF1026-2VH
	800 mm	8MF1028-2VH
	1000 mm	8MF1020-2VH

Roof tray rims

Roof tray rims for cubicle side, IPX1

Each cubicle or cubicle group with a roof tray requires two roof tray rims.
(1 set = 2 units)

Depth	Article No.
400 mm	8MF1004-2VB
500 mm	8MF1005-2VB
600 mm	8MF1006-2VB
800 mm	8MF1008-2VB
1000 mm	8MF1000-2VB

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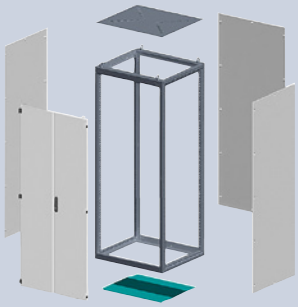
⑤ Floor



The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

For standard enclosure

	5	6	7	8	9	10	11	12	13
8MF1	0			2	U	B			

Width		400 mm		4	
		600 mm		6	
		800 mm		8	
		900 mm		9	
		1000 mm		0	
		1200 mm		2	
Depth		400 mm			4
		500 mm			5
		600 mm			6
		800 mm			8
		1000 mm			0
Version	IP30	Closed, divided			2 2 0
	IP40	Closed	EMC seal		4 2 0
	IP55	Closed	Foamed seal		1 2 0
	IPxx	With cable entry			3 2 0
		With cable entry, lateral and rear [1]			5 1 2
		With cut-outs for flanges			5 2 0

[1] Version available from width ≥ 600 mm and depth ≥ 600 mm

For corner enclosure

	5	6	7	8	9	10	11	12	13
8MF1	0	0		2	U	E		1	0

Depth	400 mm		4
	600 mm		6
	800 mm		8
	1000 mm		0
Degree of protection	IP40		2
	IP55		1

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Mounting panels

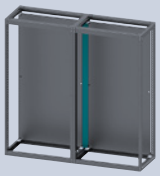
The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

	5	6	7	8	9	10	11	12	13
8MF1				2	A				0

		5	6	7	10	11	12
Cubicle height	1800 mm	8					
	2000 mm	0					
	2200 mm	2					
Cubicle width	400 mm		4				
	600 mm		6				
	800 mm		8				
	900 mm		9				
	1000 mm/*No selection available for installation on side of cubicle*		0				
	1200 mm		2				
Depth	400 mm			4			
	500 mm			5			
	600 mm			6			
	800 mm			8			
	1000 mm/*No selection available for installation on cubicle width*			0			
Installation location	Cubicle width				L		
	Cubicle side				K		
Version	Smooth					0	
	Perforated					1	
Material	2.5 mm sheet steel						3

Accessories

Mounting panel adapters



- For connecting side-by-side mounting panels
- Surface: zinc-plated

Height	Article No.
1800 mm	8MF1800-2CH
2000 mm	8MF1000-2CH
2200 mm	8MF1200-2CH

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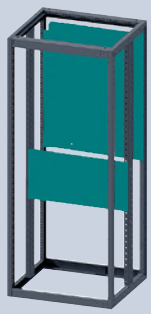
Mounting plates



The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at
www.siemens.com/lowvoltage/8mf1-configurator

	5	6	7	8	9	10	11	12	13
8MF1			0	2	A				0

		5	6	10	11	12
Height	100 mm	1				
	200 mm	2				
	300 mm	3				
	400 mm	4				
	600 mm	6				
	800 mm	8				
Width	400 mm		4			
	600 mm		6			
	800 mm		8			
	900 mm		9			
	1000 mm		0			
	1200 mm		2			
Installation location	Fixed with zinc die-cast parts between the bars of the frame			M		
	Fixed directly to the frame			A		
Version	Smooth				0	
	Perforated				1	
Material	2.0 mm sheet steel					2

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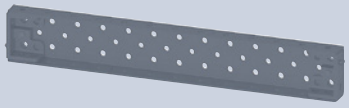
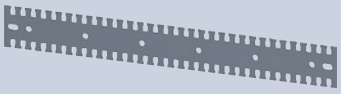
Mounting rails

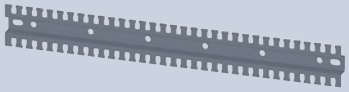
Mounting rails (50)



Length	Version	Article No.
250 mm	Suitable for cubicle depth 400 mm	8MF1025-2AS30
325 mm	Suitable for cubicle width 400 mm	8MF1032-2AS30
350 mm	Suitable for cubicle depth 500 mm	8MF1035-2AS30
425 mm	–	8MF1042-2AS30
450 mm	Suitable for cubicle depth 600 mm	8MF1045-2AS30
525 mm	Suitable for cubicle width 600 mm	8MF1052-2AS30
550 mm	–	8MF1055-2AS30
625 mm	–	8MF1062-2AS30
650 mm	Suitable for cubicle depth 800 mm	8MF1065-2AS30
725 mm	Suitable for cubicle width 800 mm	8MF1072-2AS30
750 mm	–	8MF1075-2AS30
825 mm	Suitable for cubicle width 900 mm	8MF1082-2AS30
850 mm	Suitable for cubicle depth 1000 mm	8MF1085-2AS30
925 mm	Suitable for cubicle width 1000 mm	8MF1092-2AS30
1050 mm	–	8MF1105-2AS30
1125 mm	Suitable for cubicle width 1200 mm	8MF1112-2AS30
1250 mm	–	8MF1125-2AS30
1350 mm	–	8MF1135-2AS30
1450 mm	–	8MF1145-2AS30
1550 mm	–	8MF1155-2AS30
1650 mm	Suitable for cubicle height 1800 mm	8MF1165-2AS30
1750 mm	–	8MF1175-2AS30
1850 mm	Suitable for cubicle height 2000 mm	8MF1185-2AS30
1950 mm	–	8MF1195-2AS30
2050 mm	Suitable for cubicle height 2200 mm	8MF1205-2AS30
2150 mm	–	8MF1215-2AS30
2250 mm	–	8MF1225-2AS30

Mounting rails, serrated





Version	Article No.
Flat	8MF1060-2HC13-0
	8MF1080-2HC13-0
	8MF1090-2HC13-0
	8MF1000-2HC13-0
	8MF1020-2HC13-0
U-shape	8MF1060-2HC03-0
	8MF1080-2HC03-0
	8MF1090-2HC03-0
	8MF1000-2HC03-0
	8MF1020-2HC03-0

Mounting rails, compact

Version		Length	Article No.
Suitable for cubicle width	600 mm	566 mm	8MF1056-2AS30
	1000 mm	966 mm	8MF1096-2AS30
	1200 mm	1166 mm	8MF1006-2AS30
Suitable for door width	300 mm	166 mm	8MF1016-2AS30
	400 mm	266 mm	8MF1026-2AS30
	450 mm	316 mm	8MF1031-2AS30
	500 mm	366 mm	8MF1036-2AS30
	600 mm	466 mm	8MF1046-2AS30
	800 mm	666 mm	8MF1066-2AS30
	900 mm	766 mm	8MF1076-2AS30
	1000 mm	866 mm	8MF1086-2AS30

Mounting rails, heavy duty

- Can be installed in the cubicle depth and width
  (the length corresponds to the appropriate cubicle dimension)

Length	Article No.
600 mm	8MF1060-2AH60
800 mm	8MF1080-2AH60
900 mm	8MF1090-2AH60
1000 mm	8MF1000-2AH60
1200 mm	8MF1020-2AH60

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General accessories interior installation

Telescopic rails

- For withdrawable shelves

For cubicle depth	Article No.
400 mm and 600 mm	8MF1003-2HF
800 mm and 1000 mm	8MF1006-2HF

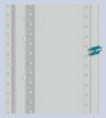
Mounting brackets

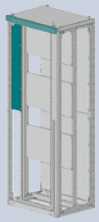
- For mounting expansion elements

	Article No.
	8MF1000-2CP

Earthquake assembly kits

For stabilization of	Article No.
Corner connections	8MF1000-2HA
Intermediate panel	8MF1000-2HW
19" fixed-mounted	8MF1000-2HE





Grounding plates

- For fixing to the frame (although fixing points for ground connection are already provided on the frame)

	Article No.
	8MF1000-2HK

Grounding bars

Version	Width	Article No.
30 × 10 mm²	600 mm	8MF1060-2HD2
	800 mm	8MF1080-2HD2
	900 mm	8MF1090-2HD2
	1000 mm	8MF1000-2HD2
	1200 mm	8MF1020-2HD2
30 × 5 mm²	600 mm	8MF1060-2HD1
	800 mm	8MF1080-2HD1
	900 mm	8MF1090-2HD1
	1000 mm	8MF1000-2HD1
	1200 mm	8MF1020-2HD1

Grounding screws

Thread	Article No.
M12	8MF1000-2HB

Grounding straps

Cross-section	Length	Perforation	Article No.
16 mm²	300 mm	6.5 mm on both sides	8MF1000-2HK1
16 mm²	300 mm	6.5 mm and 8.5 mm	8MF1000-2HK2

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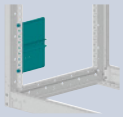
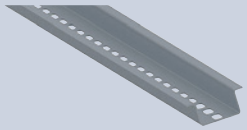
Universal sheets



- Incl. DIN rail; e.g. for mounting a heater unit

Article No.
8MF1000-2HG

DIN rails



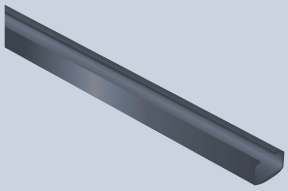
- For mounting modular installation devices

Height	Article No.
7.5 mm	8MF1500-2HS
15 mm	8MF1100-2HS

Insulated supports

Thread	Dimensions	Article No.
M8	D 40 × 50 mm	8MF1000-2VY

Cable clamping rails



Height	Width	Depth	Article No.
30 mm	600 mm	–	8MF1360-2HH
	800 mm	–	8MF1380-2HH
	900 mm	–	8MF1390-2HH
	1000 mm	–	8MF1310-2HH
	1200 mm	–	8MF1320-2HH
	–	400 mm	8MF1304-2HH
		600 mm	8MF1306-2HH
		800 mm	8MF1308-2HH
		1000 mm	8MF1301-2HH
40 mm	600 mm	–	8MF1460-2HH
	800 mm	–	8MF1480-2HH
	900 mm	–	8MF1490-2HH
	1000 mm	–	8MF1410-2HH
	1200 mm	–	8MF1420-2HH
	–	400 mm	8MF1404-2HH
		600 mm	8MF1406-2HH
		800 mm	8MF1408-2HH
		1000 mm	8MF1401-2HH
50 mm	600 mm	–	8MF1560-2HH
	800 mm	–	8MF1580-2HH
	900 mm	–	8MF1590-2HH
	1000 mm	–	8MF1510-2HH
	1200 mm	–	8MF1520-2HH
	–	400 mm	8MF1504-2HH
		600 mm	8MF1506-2HH
		800 mm	8MF1508-2HH
		1000 mm	8MF1501-2HH

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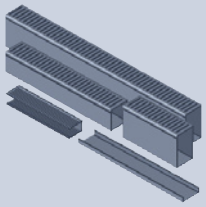
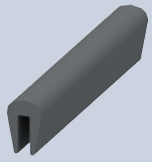
General accessories interior installation

Cable ducts



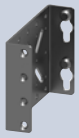
Version	Color	Height	Width	Article No.
Halogen-free	RAL 7035	37.5 mm	25 mm	8MF1120-2HL7
		50 mm	25 mm	8MF1220-2HL7
			37.5 mm	8MF1240-2HL7
			50 mm	8MF1250-2HL7
			75 mm	8MF1260-2HL7
		75 mm	50 mm	8MF1350-2HL7
			75 mm	8MF1360-2HL7
			100 mm	8MF1370-2HL7
			125 mm	8MF1380-2HL7
		100 mm	75 mm	8MF1460-2HL7
Standard	RAL 7030	37.5 mm	25 mm	8MF1120-2HL6
		50 mm	25 mm	8MF1220-2HL6
			37.5 mm	8MF1240-2HL6
			50 mm	8MF1250-2HL6
			75 mm	8MF1260-2HL6
		75 mm	50 mm	8MF1350-2HL6
			75 mm	8MF1360-2HL6
			100 mm	8MF1370-2HL6
			125 mm	8MF1380-2HL6
		100 mm	75 mm	8MF1460-2HL6

Edge protection



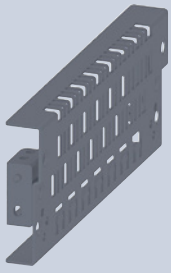
Dimensions	Article No.
9.5 × 6.5 mm	8MF1000-2CD

Mounting plates



Dimensions	Version	Article No.
122 × 91 mm	Standard	8MF1000-2HH
122 × 92 mm	With DIN rail	8MF1000-2HH1

Buses for improving EMC



Installation in	Width	Depth	Article No.
Cubicle width	400 mm	–	8MF1040-2HN
	600 mm	–	8MF1060-2HN
	800 mm	–	8MF1080-2HN
	900 mm	–	8MF1090-2HN
	1000 mm	–	8MF1000-2HN
	1200 mm	–	8MF1020-2HN
Cubicle depth	–	400 mm	8MF1004-2HN
		600 mm	8MF1006-2HN
		800 mm	8MF1008-2HN
		1000 mm	8MF1001-2HN

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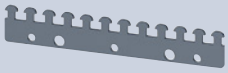
Brackets		
	• For variable mounting of cable clamping rails	
		Article No.
		8MF1000-2HH5

Toothed bars		
	• For installation on mounting rail	
	Length	**Article No.**
	100 mm	8MF1000-2HC

Contact washers		
	• Size 6	
	Scope of supply	**Article No.**
	100 units	8MF1000-2VJ

Screws		
	• M6 × 12	
	Scope of supply	**Article No.**
	100 units	8MF1000-2VS

Adapters for wiring systems		
	Version	**Article No.**
	For Lütze wiring system	8MF1000-2HL
	For Promet wiring system	8MF1000-2HP

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19-inch expansion

Cubicle frames

- For the installation of 19" devices, screwed
- In combination with 2 mounting rails, heavy duty in cubicle width (order mounting rail separately, see page 17/25)
- For cubicle width ≧600 mm

Surface	Height	For mounting height	Article No.
Zinc-plated	400 mm	7 HU	8MF1100-2AN30
	600 mm	12 HU	8MF1200-2AN30
	800 mm	16 HU	8MF1300-2AN30
	1000 mm	21 HU	8MF1400-2AN30
	1200 mm	25 HU	8MF1500-2AN30
	1400 mm	30 HU	8MF1600-2AN30
	1800 mm	36 HU	8MF1700-2AN30
	2000 mm	41 HU	8MF1800-2AN30
	2200 mm	45 HU	8MF1900-2AN30

Swing frames

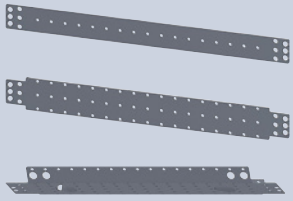
- For the installation of 19" devices, screwed
- Left-hand/right-hand hinge
- In combination with 2 mounting rails, heavy duty in cubicle width (order mounting rail separately)
- For cubicle width ≧800 mm

Version	Surface	Height	For mounting height	Article No.
Screwed [1]	Zinc-plated	1800 mm	34 HU	8MF1800-2AR02-4
		2000 mm	38 HU	8MF1000-2AR02-4
		2200 mm	43 HU	8MF1200-2AR02-4
	Powder-coated	1800 mm	34 HU	8MF1800-2AR02-3
		2000 mm	38 HU	8MF1000-2AR02-3
		2200 mm	43 HU	8MF1200-2AR02-3
Welded [2]	Powder-coated	1800 mm	34 HU	8MF1800-2AR02-2
		2000 mm	38 HU	8MF1000-2AR02-2
		2200 mm	43 HU	8MF1200-2AR02-2

[1] Interlocking with 3 mm double-bit key
[2] Spring interlocking at top and bottom

Accessories

Universal supports



Version	For mounting height	Article No.
For cable channel, DIN rail and C rail	1 HU	8MF1000-2HH2
	2 HU	8MF1000-2HH3
For cable channel, DIN rail, C rail and lamp		8MF1000-2HH4

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Covers

Version	Surface	For mounting height	Article No.
Closed	RAL 7035	1 HU	8MF1000-2AB01
		2 HU	8MF1000-2AB02
		3 HU	8MF1000-2AB03
		4 HU	8MF1000-2AB04
		5 HU	8MF1000-2AB05
		6 HU	8MF1000-2AB06
		7 HU	8MF1000-2AB07
With ventilation openings	RAL 7035	2 HU	8MF1000-2AB32
		3 HU	8MF1000-2AB33
For modular installation devices, for 24 modular widths	RAL 7035	3 HU	8MF1000-2AB31

Frames

Version	Surface	For mounting height	Article No.
For mounting test switches, 19"	RAL 7035	7 HU	8MF1000-2AB30

Covers for frames

Version	Surface	Article No.
For mounting 7XP 1/6 standard devices	RAL 7035	8MF1000-2AB34
For mounting 7XP 2/6 standard devices	RAL 7035	8MF1000-2AB35
For mounting 7XP 3/6 standard devices	RAL 7035	8MF1000-2AB36

Shelves

- For 19" frame

Version	Surface	For mounting height	Depth	Article No.
Non-adjustable	Zinc-plated	3 HU	230 mm	8MF1000-2AB12
			400 mm	8MF1000-2AB14
Withdrawable	RAL 7035	1 HU		8MF1000-2HF12

Slide rails

Version	Depth	Article No.
For 19" fixed-mounted (double mounting at front and rear)	400 mm	8MF1004-2HG12
	600 mm	8MF1006-2HG12
	800 mm	8MF1008-2HG12
	1000 mm	8MF1000-2HG12
For 19" fixed-mounted and for 19" swing frame		8MF1000-2HS12

Device panels

Version	Surface	Height	Width	Article No.
For 24 modular widths	Zinc-plated	1800 mm	100 mm	8MF1810-2AB00
			150 mm	8MF1850-2AB00
			200 mm	8MF1820-2AB00
		2000 mm	100 mm	8MF1010-2AB00
			150 mm	8MF1050-2AB00
			200 mm	8MF1020-2AB00
		2200 mm	100 mm	8MF1210-2AB00
			150 mm	8MF1250-2AB00
			200 mm	8MF1220-2AB00

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Quick selection guide

Standard LED lights

The LED lights offer optimum lighting conditions for installation and maintenance. The LED technology is energy-efficient and maintenance-free. The connection is established via a 2-pin plug with lock. Through-wiring is possible.

	Magnetic fixing	Screw fixing	Clip fixing
	Easy installation at any point on the steel cubicle	Fixed installation in the case of impact loads or high vibration levels	The lamp is snapped into the clip bracket and can be turned in both directions
With motion detector The lights switch on when the door is opened, enabling work in the cubicle to be started immediately			
With On/Off switch Particularly suitable for operation in cubicles and enclosures with a high density of built-in electrical/electronic components			

Ecoline LED lights new

The Ecoline LED lights do not differ from the standard LED lights in terms of luminosity and mounting system.
The connection is made via a 2-pole clamping terminal.

	Magnetic fixing	Screw fixing	Clip fixing
	Easy installation at any point on the steel cubicle	Fixed installation in the case of impact loads or high vibration levels	The lamp is snapped into the clip bracket and can be turned in both directions
With motion detector The lights switch on when the door is opened, enabling work in the cubicle to be started immediately			
With On/Off switch Particularly suitable for operation in cubicles and enclosures with a high density of built-in electrical/electronic components			
Without switching function Prepared for the use of an external switch			

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Slimline lights

The Slimline lights are an alternative with an energy-saving lamp and are available as a version with an integrated socket.

	Screw fixing	Magnetic fixing
With motion detector and socket The lights switch on when the door is opened, enabling work in the cubicle to be started immediately		
With On/Off switch and socket Particularly suitable for operation in cubicles and enclosures with a high density of built-in electrical/electronic components		

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LED lights

Standard

Magnetic fixing

Version	Voltage	Standard	Article No.
With motion detector	100 ... 240 V AC, 50/60 Hz	VDE	8MR2200-0A
	24 ... 48 V DC	VDE	8MR2201-0A
With On/Off switch	100 ... 240 V AC, 50/60 Hz	VDE, UL	8MR2200-1A
	24 ... 48 V DC	VDE, UL	8MR2201-1A

Screw fixing

Version	Voltage	Standard	Article No.
With motion detector	100 ... 240 V AC, 50/60 Hz	VDE	8MR2200-0B
	24 ... 48 V DC	VDE	8MR2201-0B
With On/Off switch	100 ... 240 V AC, 50/60 Hz	VDE, UL	8MR2200-1B
	24 ... 48 V DC	VDE, UL	8MR2201-1B

Clip fixing

Version	Voltage	Standard	Article No.
With motion detector	100 ... 240 V AC, 50/60 Hz	VDE	8MR2200-0C
	24 ... 48 V DC	VDE	8MR2201-0C
With On/Off switch	100 ... 240 V AC, 50/60 Hz	VDE	8MR2200-1C
	24 ... 48 V DC	VDE	8MR2201-1C

Accessories

Cables

Connecting cables with socket and open end

- For connection of an LED light (switch side)
- Length 2 m

Version	Cross-section	Standard	Article No.
AC connecting cable	2 × 1.5 mm²	VDE	8MR2210-1B
	AWG 16	VDE, UL	8MR2210-2B
DC connecting cable	2 × 1.5 mm²	VDE	8MR2210-3B
	AWG 16	VDE, UL	8MR2210-4B

Extension cables with socket and plug

- For looping through to another LED light
- Length 1 m

Version	Cross-section	Standard	Article No.
AC plastic-sheathed cable	2 × 1.5 mm²	VDE	8MR2210-1C
	AWG 16	VDE, UL	8MR2210-2C
DC plastic-sheathed cable	2 × 1.5 mm²	VDE	8MR2210-3C
	AWG 16	VDE, UL	8MR2210-4C

Individual plugs or sockets for self-assembly of cables

For connection of an LED light (switch side)

Version	Application	Standard	Color	Article No.
AC socket	For input side	VDE	White	8MR2210-1A
DC socket	For input side	VDE	Blue	8MR2210-3A

For looping through to another LED light

Version	Application	Standard	Color	Article No.
AC connector	For output side	VDE	White	8MR2210-2A
DC connector	For output side	VDE	Blue	8MR2210-4A

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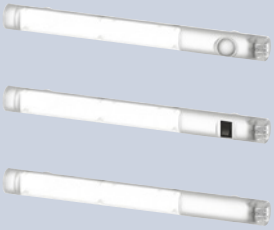
Ecoline new

Magnetic fixing

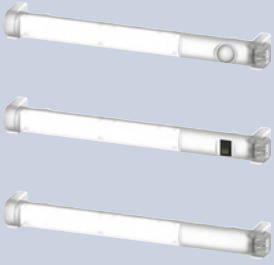


Version	Voltage		Article No.
With motion detector	AC 100 ... 240 V, 50/60 Hz	90 ... 110 V DC	8MR2303-0A
	24 ... 48 V DC		8MR2301-0A
With On/Off switch	AC 100 ... 240 V, 50/60 Hz	90 ... 110 V DC	8MR2303-1A
	24 ... 48 V DC		8MR2301-1A
Without switching function	AC 100 ... 240 V, 50/60 Hz	90 ... 110 V DC	8MR2303-3A
	24 ... 48 V DC		8MR2301-3A

Screw fixing

Version	Voltage		Article No.
With motion detector	100 ... 240 V, 50/60 Hz AC	90 ... 110 V DC	8MR2303-0B
	24 ... 48 V DC		8MR2301-0B
With On/Off switch	100 ... 240 V, 50/60 Hz AC	90 ... 110 V DC	8MR2303-1B
	24 ... 48 V DC		8MR2301-1B
Without switching function	100 ... 240 V, 50/60 Hz AC	90 ... 110 V DC	8MR2303-3B
	24 ... 48 V DC		8MR2301-3B

Clip fixing



Version	Voltage		Article No.
With motion detector	100 ... 240 V, 50/60 Hz AC	90 ... 110 V DC	8MR2303-0C
	24 ... 48 V DC		8MR2301-0C
With On/Off switch	100 ... 240 V, 50/60 Hz AC	90 ... 110 V DC	8MR2303-1C
	24 ... 48 V DC		8MR2301-1C
Without switching function	100 ... 240 V, 50/60 Hz AC	90 ... 110 V DC	8MR2303-3C
	24 ... 48 V DC		8MR2301-3C

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Slimline lights

	Without magnet	With magnet (approx. 30 N)
Slimline lights with motion detector and socket, acc. to VDE		
230 V AC, 50/60 Hz	8MF5910-1A	8MF5910-1C
Slimline lights with On/Off switch and socket, acc. to VDE		
230 V AC, 50/60 Hz	8MF5900-1A	8MF5900-1C

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Quick selection guide

Solutions to provide protection against heat

Cooling devices

Heat exchangers

Filter fans/outlet fans

Thermostats

Solutions to provide protection against cold

Heater units

Fan heaters

Thermostats

Solutions to provide protection against corrosion and condensation

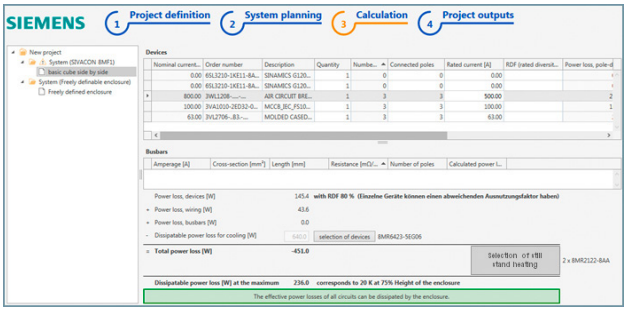
Heater units/ fan heaters

Filter fans/outlet filters

Thermostats

Hygrostats/ hygrotherms

SIMARIS therm



The SIMARIS therm calculation tool helps you to easily and precisely dimension the heat dissipation of your control panels, simply by selecting the relevant devices in the panel. If necessary, you can immediately select the necessary cooling devices and air conditioners. You can also define the heating power that may be required for anti-condensation heating.

For a free download and further information, visit:
www.siemens.com/simaristherm

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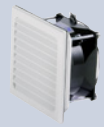
Filter fans and outlet filters

Filter fans

	Cutout	Voltage	Input rating at 50 Hz	Standard	Color	Degree of protection IP54: Air current, free-blowing at 50 Hz	Degree of protection IP54: Article No.	Degree of protection IP55: Air current, free-blowing at 50 Hz	Degree of protection IP55: Article No.
	Filter fans with EC technology								
	125 × 125 mm	115 V AC, 50/60 Hz	4.4 W	VDE	RAL 7035	62 m³/h	8MR6411-5LE25		–
		230 V AC, 50/60 Hz	4.4 W	VDE	RAL 7035	62 m³/h	8MR6423-5LE25		–
	177 × 177 mm	115 V AC, 50/60 Hz	4.4 W	VDE	RAL 7035	120 m³/h	8MR6411-5LE30		–
		230 V AC, 50/60 Hz	4.4 W	VDE	RAL 7035	120 m³/h	8MR6423-5LE30		–
	**Standard filter fans**								
	92 × 92 mm	115 V AC, 50/60 Hz	12 W	VDE	RAL 7035	25 m³/h	8MR6411-5LV10		–
		230 V AC, 50/60 Hz	12 W	VDE, UL	RAL 7032	25 m³/h	8MR6423-2LV10		–
				VDE, UL	RAL 7035	25 m³/h	8MR6423-5LV10		–
		24 V DC	2.2 W	VDE	RAL 7035	25 m³/h	8MR6402-5LV10 new		–
	125 × 125 mm	115 V AC, 50/60 Hz	20 W	VDE, UL	RAL 7035	63 m³/h	8MR6411-5LV25	58 m³/h	8MR6511-5LV25
		230 V AC, 50/60 Hz	20 W	VDE, UL	RAL 7032	63 m³/h	8MR6423-2LV25		–
				VDE, UL	RAL 7035	63 m³/h	8MR6423-5LV25	58 m³/h	8MR6523-5LV25
		24 V DC	4.1 W	VDE	RAL 7035	63 m³/h	8MR6402-5LV25 new		–
	177 × 177 mm	115 V AC, 50/60 Hz	20 W	VDE, UL	RAL 7035	115 m³/h	8MR6411-5LV30	105 m³/h	8MR6511-5LV30
		230 V AC, 50/60 Hz	20 W	VDE, UL	RAL 7035	115 m³/h	8MR6423-5LV30	105 m³/h	8MR6523-5LV30
		24 V DC	4.1 W	VDE	RAL 7035	115 m³/h	8MR6402-5LV30 new		–
	223 × 223 mm	115 V AC, 50/60 Hz	18 W	VDE, UL	RAL 7035	160 m³/h	8MR6411-5LV45	147 m³/h	8MR6511-5LV45
			43 W	VDE, UL	RAL 7035	250 m³/h	8MR6411-5LV41	230 m³/h	8MR6511-5LV41
		24 V DC	6.5 W	VDE	RAL 7035	160 m³/h	8MR6402-5LV45 new		–
		230 V AC, 50/60 Hz	18 W	VDE, UL	RAL 7032	160 m³/h	8MR6423-2LV45		–
				VDE, UL	RAL 7035	160 m³/h	8MR6423-5LV45	147 m³/h	8MR6523-5LV45
			45 W	VDE, UL	RAL 7032	250 m³/h	8MR6423-2LV41		–
				VDE, UL	RAL 7035	250 m³/h	8MR6423-5LV41	230 m³/h	8MR6423-5LV41
		24 V DC	16 W	VDE, UL	RAL 7032	250 m³/h	8MR6402-2LV41		–
				VDE	RAL 7035	250 m³/h	8MR6402-5LV41 new		–
	292 × 292 mm	115 V AC, 50/60 Hz	64 W	VDE, UL	RAL 7035	580 m³/h	8MR6411-5LV60	531 m³/h	8MR6511-5LV60
			115 W	VDE, UL	RAL 7035	930 m³/h	8MR6411-5LV80	850 m³/h	8MR6511-5LV80
		230 V AC, 50/60 Hz	64 W	VDE, UL	RAL 7032	580 m³/h	8MR6423-2LV60		–
				VDE, UL	RAL 7035	580 m³/h	8MR6423-5LV60	531 m³/h	8MR6523-5LV60
			135 W	VDE, UL	RAL 7035	930 m³/h	8MR6423-5LV80	850 m³/h	8MR6523-5LV80
	EMC filter fans								
	177 × 177 mm	115 V AC, 50/60 Hz	20 W	VDE, UL	RAL 7035	115 m³/h	8MR6411-6LV30	105 m³/h	8MR6511-6LV30
		230 V AC, 50/60 Hz	20 W	VDE, UL	RAL 7035	115 m³/h	8MR6423-6LV30	105 m³/h	8MR6523-6LV30
	223 × 223 mm	115 V AC, 50/60 Hz	18 W	VDE, UL	RAL 7035	160 m³/h	8MR6411-6LV45	147 m³/h	8MR6511-6LV45
			43 W	VDE, UL	RAL 7035	250 m³/h	8MR6411-6LV41	230 m³/h	8MR6511-6LV41
		230 V AC, 50/60 Hz	18 W	VDE, UL	RAL 7035	160 m³/h	8MR6423-6LV45	147 m³/h	8MR6523-6LV45
			45 W	VDE, UL	RAL 7035	250 m³/h	8MR6423-6LV41	230 m³/h	8MR6523-6LV41

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Filter fans and outlet filters

Outlet filters without fan

	Cutout	External dimensions W × H	Mounting depth	Cover grille height	Color	Standard	Degree of protection IP54 Article No.	Degree of protection IP55 Article No.
	Standard outlet filters							
	68 × 68 mm	80 × 80 mm	11 mm	4 mm	RAL 7035	VDE	8MR6400-5GV08 new	–
	92 × 92 mm	105 × 105 mm	12 mm	4.5 mm	RAL 7032	VDE, UL	8MR6400-2GV10	–
					RAL 7035	VDE, UL	8MR6400-5GV10	–
	116 × 116 mm	130 × 130 mm	24 mm	5 mm	RAL 7035	VDE	8MR6400-5GV20 new	–
	125 × 125 mm	148 × 148 mm	23 mm	5.5 mm	RAL 7032	VDE, UL	8MR6400-2GV25	–
					RAL 7035	VDE, UL	8MR6400-5GV25	8MR6500-5GV25
	177 × 177 mm	204 × 204 mm	26 mm	6 mm	RAL 7035	VDE, UL	8MR6400-5GV30	8MR6500-5GV30
	223 × 223 mm	250 × 250 mm	32 mm	6 mm	RAL 7032	VDE, UL	8MR6400-2GV45	–
					RAL 7035	VDE, UL	8MR6400-5GV45	8MR6500-5GV45
	292 × 292 mm	323 × 323 mm	33 mm	6.5 mm	RAL 7032	VDE, UL	8MR6400-2GV67	–
					RAL 7035	VDE, UL	8MR6400-5GV67	8MR6500-5GV67
	EMC outlet filters							
	177 × 177 mm	204 × 204 mm	26 mm	6 mm	RAL 7035	VDE, UL	8MR6400-6GV30	8MR6500-6GV30
	223 × 223 mm	250 × 250 mm	32 mm	6 mm	RAL 7035	VDE, UL	8MR6400-6GV45	8MR6500-6GV45

Filter mats for filter fans and outlet filters

	Degree of protection IP54 Dimensions W × H	Standard	Article No.	Degree of protection IP55 Dimensions W × H	Standard	Article No.
	Standard filter mats					
	65 × 65 mm	VDE	8MR6000-0AM08 new		VDE	–
	92 × 92 mm	VDE	8MR6000-0AM10		VDE	–
	112 × 112 mm	VDE	8MR6000-0AM20 new		VDE	–
	125 × 125 mm	VDE	8MR6000-0AM25	116 × 116 mm	VDE	8MR6000-0CF25
	177 × 177 mm	VDE	8MR6000-0AM30	169 × 169 mm	VDE	8MR6000-0CF30
	223 × 223 mm	VDE	8MR6000-0AM45	215 × 215 mm	VDE	8MR6000-0CF45
	292 × 292 mm	VDE	8MR6000-0AM67	281 × 281 mm	VDE	8MR6000-0CF67

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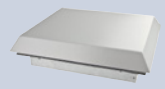
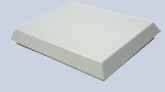
Roof filter fans and roof outlet filters

Roof filter fans



	Air current, free-blowing at 50 Hz	External dimensions W × H × D	Voltage	Input rating	Standard	Degree of protection IP44 Article No.	Degree of protection IP54 Article No.
	For cutout 223 × 223 mm, color RAL 7035						
	71 m³/h	287 × 287 × 104 mm	230 V AC, 50/60 Hz	40 W	VDE, UL	–	8MR6423-5VL44
			115 V AC, 50/60 Hz	48 W	VDE	–	8MR6411-5VL44
			24 V DC	8.8 W	VDE, UL	–	8MR6402-5VL44
	240 m³/h	287 × 287 × 174 mm	230 V AC, 50/60 Hz	45 W	VDE, UL	–	8MR6423-5VL41
			115 V AC, 50/60 Hz	43 W	VDE	–	8MR6411-5VL41
			24 V DC	16 W	VDE, UL	–	8MR6402-5VL41
	300 m³/h	287 × 287 × 174 mm	230 V AC, 50/60 Hz	45 W	VDE, UL	–	8MR6423-5VL55
	For cutout 292 × 292 mm, color RAL 7035						
	232 m³/h	361 × 361 × 114 mm	230 V AC, 50/60 Hz	68 W	VDE, UL	–	8MR6423-5VL64
			115 V AC, 50/60 Hz	68 W	VDE	–	8MR6411-5VL64
			24 V DC	14 W	VDE, UL	–	8MR6402-5VL64
	550 m³/h	361 × 361 × 211 mm	230 V AC, 50/60 Hz	64 W	VDE, UL	–	8MR6423-5VL60
			115 V AC, 50/60 Hz	64 W	VDE	–	8MR6411-5VL60
			24 V DC	55 W	VDE, UL	–	8MR6402-5VL60
	840 m³/h	361 × 361 × 203 mm	230 V AC, 50/60 Hz	135 W	VDE, UL	–	8MR6423-5VL80
			115 V AC, 50/60 Hz	115 W	VDE	–	8MR6411-5VL80
			24 V DC	105 W	VDE, UL	–	8MR6402-5VL80
	For cutout 345 × 265 mm, color RAL 7035, metal						
	405 m³/h	420 × 340 × 108 mm	115 V AC, 50/60 Hz	40/45 W	VDE, UL	8MR6311-5DL40	–
			230 V AC, 50/60 Hz	40/45 W	VDE, UL	8MR6323-5DL40	–
	690 m³/h	420 × 340 × 108 mm	115 V AC, 50/60 Hz	100/130 W	VDE, UL	8MR6311-5DL42	–
			230 V AC, 50/60 Hz	100/130 W	VDE, UL	8MR6323-5DL42	–

Roof outlet filters without fan



	External dimensions W × H × D	Standard	Degree of protection IP44 Article No.	Degree of protection IP54 Article No.
	For cutout 223 × 223 mm, color RAL 7035			
	287 × 287 × 85 mm	VDE, UL	–	8MR6400-5VE45
	For cutout 292 × 292 mm, color RAL 7035			
	361 × 361 × 96 mm	VDE, UL	–	8MR6400-5VE67
	For cutout 345 × 265 mm, color RAL 7035, metal			
	420 × 340 × 83 mm	VDE, UL	8MR6000-5DE40	–

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Air conditioners/cooling devices

For door or side mounting, degree of protection inside IP54/outside IP34, color RAL 7035

	Cooling capacity	Rated power	Dimensions W × H × D	Air capacity Inside	Air capacity Outside	Design	Mounting Undrilled	Mounting Part	Standard	Article No.
	230 V, 50/60 Hz									
	380 W	280 W	285 × 460 × 180 mm	280 m³/h	280 m³/h	■	■	–	VDE	8MR6423-5EG04
	640 W	400 W	360 × 606 × 212 mm	330 m³/h	570 m³/h	■	■	–	VDE	8MR6423-5EG06
	820 W	440 W	348 × 783 × 215 mm	330 m³/h	570 m³/h	■	■	–	VDE	8MR6423-5EG08
	1050 W	570 W	348 × 783 × 215 mm	570 m³/h	860 m³/h	■	■	■	VDE	8MR6423-5SK10
	1550 W	880 W	400 × 950 × 233 mm	570 m³/h	1050 m³/h	■	■	■	VDE	8MR6423-5SK15
	2050 W	1080 W	400 × 1265 × 236 mm	860 m³/h	1050 m³/h	■	■	■	VDE	8MR6423-5SK20
	400 V, 50/60 Hz									
	2900 W	1220 W	500 × 1270 × 336 mm	860 m³/h	1450 m³/h	■	■	–	VDE	8MR6440-5EG30
	3850 W	1780 W	500 × 1270 × 336 mm	1450 m³/h	1450 m³/h	■	■	–	VDE	8MR6440-5EG40
	5800 W	2340 W	600 × 2000 × 380 mm	1450 m³/h	2900 m³/h	■	■	–	VDE	8MR6440-5EG60

For roof mounting, degree of protection inside IP54/outside IP34, color RAL 7035

	Cooling capacity	Rated power	Dimensions W × H × D	Air capacity Inside	Air capacity Outside	Design	Mounting Undrilled	Mounting Part	Standard	Article No.
	230 V, 50/60 Hz									
	410 W	270 W	259 × 264 × 486 mm	235 m³/h	330 m³/h	■	■	–	VDE	8MR6423-5DE04
	820 W	510 W	340 × 340 × 600 mm	330 m³/h	570 m³/h	■	■	–	VDE	8MR6423-5DE08
	1150 W	550 W	401 × 415 × 567 mm	570 m³/h	1010 m³/h	■	■	–	VDE	8MR6423-5DE12
	1550 W	810 W	401 × 415 × 567 mm	860 m³/h	1820 m³/h	■	■	–	VDE	8MR6423-5DE15
	2050 W	1190 W	401 × 415 × 567 mm	1050 m³/h	1820 m³/h	■	■	–	VDE	8MR6423-5DE20
	400 V, 50/60 Hz									
	2900 W	1210 W	492 × 496 × 797 mm	860 m³/h	3410 m³/h	■	■	–	VDE	8MR6440-5DE30
	3850 W	1630 W	492 × 496 × 797 mm	1450 m³/h	3410 m³/h	■	■	–	VDE	8MR6440-5DE40

Heat exchangers

Air/air heat exchangers, degree of protection IP54, color RAL 7035

	Thermal power	Rated power	Dimensions W × H × D	Air capacity Inside	Air capacity Outside	Design	Mounting Undrilled	Mounting Part	Standard	Article No.
	230 V, 50/60 Hz									
	36 W/K	140 W	316 × 771 × 103 mm	570 m³/h	570 m³/h	■	■	–	VDE	8MR6423-5ML36
	80 W/K	240 W	317 × 1260 × 148 mm	1050 m³/h	1050 m³/h	■	■	–	VDE	8MR6423-5ML80

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Heater units

Rated value	Rated power	Shutdown temperature	Standard	Article No.
Heater units with PTC thermistor, UL-approved				
120 ... 240 V AC/DC	15 W	–	VDE, UL	8MR2130-1A
	30 W	–	VDE, UL	8MR2130-3A
	45 W	–	VDE, UL	8MR2130-4A
	60 W	–	VDE, UL	8MR2130-6A
	75 W	–	VDE, UL	8MR2130-7A
	100 W	–	VDE, UL	8MR2130-0A
	150 W	–	VDE, UL	8MR2130-5A
Semiconductor heater units without thermostat, compact design, UL-approved				
120 ... 240 V AC/DC	50 W	–	VDE	8MR2131-4A
	100 W	–	VDE	8MR2131-0A
	150 W	–	VDE	8MR2131-5A
Semiconductor heater units with thermostat, compact design				
120 ... 240 V AC/DC	50 W	15 °C	VDE	8MR2132-1A
		25 °C	VDE	8MR2132-1AB
	100 W	15 °C	VDE	8MR2132-0A
		25 °C	VDE	8MR2132-0AB
	150 W	15 °C	VDE	8MR2132-5A
		25 °C	VDE	8MR2132-5AB
Semiconductor heater units				
12 ... 30 V AC/DC	15 W	–	VDE	8MR2130-1BA
	30 W	–	VDE	8MR2130-3BA
	45 W	–	VDE	8MR2130-4BA
	60 W	–	VDE	8MR2130-6BA

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Fan heaters

Fan heaters

Version	Voltage	Continuous heat output	Parameter	Standard	Article No.
Standard version					
Without fan	230 V AC	100 W	–	VDE, UL	8MR2140-0A
		150 W	–	VDE, UL	8MR2140-1A
		200 W	–	VDE, UL	8MR2140-2A
		300 W	–	VDE, UL	8MR2140-3A
		400 W	–	VDE, UL	8MR2140-4A
With fan	230 V AC	100 W	–	VDE, UL	8MR2140-0B
		150 W	–	VDE, UL	8MR2140-1B
		200 W	–	VDE, UL	8MR2140-2B
		300 W	–	VDE, UL	8MR2140-3B
		400 W	–	VDE, UL	8MR2140-4B
Compact fan heater					
Without fan	230 V AC	250 W	–	VDE, UL	8MR2122-4A
		400 W	–	VDE, UL	8MR2122-8A
	120 V AC	250 W	–	VDE, UL	8MR2122-4B
		400 W	–	VDE, UL	8MR2122-8B
With fan	24 V DC	250 W	–	VDE, UL	8MR2122-4AB
	48 V DC	250 W	–	VDE, UL	8MR2122-4AC
		400 W	–	VDE, UL	8MR2122-8AA
With integrated thermostat					
For floor mounting	230 V AC	950 W	0 ... +60 °C	VDE, UL	8MR2150-0A
For wall mounting	230 V AC	950 W	0 ... +60 °C	VDE, UL	8MR2150-0C
With integrated hygrostat					
For wall mounting	230 V AC	950 W	65% R.H.	VDE, UL	8MR2150-0CA

Semiconductor fan heaters

Mounting	Voltage	Continuous heat output	Version	Standard	Article No.
Fan heaters					
Clip fixing	230 V AC	150 W	–	VDE, UL	8MR2150-2C
		250 W	–	VDE, UL	8MR2150-5A
		400 W	–	VDE, UL	8MR2150-4A
	120 V AC	250 W	–	VDE, UL	8MR2150-5AA
		400 W	–	VDE, UL	8MR2150-4AA
Screw fixing	230 V AC	150 W	–	VDE, UL	8MR2150-2D
		250 W	–	VDE, UL	8MR2150-5B
		400 W	–	VDE, UL	8MR2150-4B
	120 V AC	250 W	–	VDE, UL	8MR2150-5AB
		400 W	–	VDE, UL	8MR2150-4AB
PTC fan heaters for wall mounting					
Screw fixing	230 V AC	1200 W	With thermostat 0 ... +60 °C	VDE, UL	8MR2150-3A
		1200 W	Without thermostat	VDE, UL	8MR2150-3B
Clip fixing	120 V AC	1200 W	With thermostat +32 ... +140 °F	VDE, UL	8MR2151-3A
		1200 W	Without thermostat	VDE, UL	8MR2151-3B
PTC fan heaters for floor mounting					
Screw fixing	230 V AC	1200 W	With thermostat 0 ... +60 °C	VDE, UL	8MR2150-2A
		1200 W	Without thermostat	VDE, UL	8MR2150-2B
Clip fixing	120 V AC	1200 W	With thermostat +32 ... +140 °F	VDE, UL	8MR2151-2A
		1200 W	Without thermostat	VDE, UL	8MR2151-2B

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Thermostats

Adjustable thermostats

Version	Max. switching power	Temperature range	Standard	Article No.
Mini thermostat new				
NC with red adjusting knob	250 V AC, 10 (2) A	0 ... +60 °C	VDE	8MR2170-1KA
		−10 ... +50 °C	VDE	8MR2170-1KB
		+20 ... +80 °C	VDE	8MR2170-1KC
		+32 ... +140 °F	VDE	8MR2170-1KD
		+14 ... +122 °F	VDE	8MR2170-1KE
NO with blue adjusting knob	250 V AC, 10 (2) A	0 ... +60 °C	VDE	8MR2170-2KA
		−10 ... +50 °C	VDE	8MR2170-2KB
		+20 ... +80 °C	VDE	8MR2170-2KC
		+32 ... +140 °F	VDE	8MR2170-2KD
		+14 ... +122 °F	VDE	8MR2170-2KE
Mechanical thermostat				
CO	250 V AC, 10 (4) A	+5 ... +60 °C	VDE, UL	8MR2170-1A
		−20 ... +30 °C	VDE, UL	8MR2170-1B
Electronic thermostat				
CO	230 V AC, 8 (1.6) A	−20 ... +60 °C	VDE	8MR2170-1GA
	120 V AC, 8 (1.6) A	−4 ... +140 °F	VDE	8MR2170-1GB
	24 V DC, 16 A	0 ... +60 °C	VDE	8MR2170-2A
CO, integrated	230 V AC, 8 (1.6) A	−20 ... +60 °C	VDE	8MR2170-1GC
Zwillings-Thermostat				
NC and NO	250 V AC, 10 (2) A	0 ... +60 °C	VDE, UL	8MR2170-1E
NO and NO	250 V AC, 10 (2) A	0 ... +60 °C	VDE, UL	8MR2170-1EA

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Thermostats

Tamper-proof thermostats

	Version	Max. switching power	Shutdown temperature	Article No.
	Tamper-proof thermostat, acc. to VDE, UL			
	NC	250 V AC, 5 (1.6) A	15 °C	8MR2171-1BA
			25 °C	8MR2171-2BA
	NO	250 V AC, 5 (1.6) A	35 °C	8MR2171-3BB
			50 °C	8MR2171-1BB
			60 °C	8MR2171-2BB
	Twin thermostat, acc. to VDE, UL			
	NC and NO	250 V AC, 5 (1.6) A	15 °C | 50 °C (NC | NO)	8MR2172-1A
		250 V AC, 5 (1.6) A or 30 W DC	25 °C | 60 °C (NC | NO)	8MR2172-2A
	NO and NO	250 V AC, 5 (1.6) A	50 °C | 60 °C (NO | NO)	8MR2172-1AB

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Hygrostats and hygrotherms

Hygrostats

Version	Relative air humidity	Voltage	Max. switching power	Article No.
Mechanical hygrostat, acc. to VDE, UL				
CO	35 ... 95%	230 V AC	250 V AC, 5 (0.2) A/20 W DC	8MR2170-1C
Electronic hygrostat, acc. to VDE				
CO	40 ... 90%	230 V AC	240 V AC, 8 (1.6) A	8MR2170-1AF
		120 V AC	240 V AC, 8 (1.6) A	8MR2170-2AF
	65%	230 V AC	240 V AC	8MR2170-1BF
		120 V AC	120 V AC	8MR2170-2BF

Hygrotherms

Version	Relative air humidity	Temperature range	Voltage	Max. switching power	Article No.
Electronic hygrotherm, acc. to VDE, UL					
NC and NO	50 ... 90%	+32 ... +140 °F	100 ... 240 V AC	NC: 120 V AC, 6 (1) A NO: 120 V AC, 8 (1.6) A	8MR2170-4F
		0 ... +60 °C	100 ... 240 V AC	NC: 100 ... 240 V AC, 6 (1) A NO: 100 ... 240 V AC, 8 (1.6) A	8MR2170-4E

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Appendix

Conditions of sale and delivery ____ A/2

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A

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Conditions of sale and delivery

1. General Provisions

By using this catalog you can purchase hard- and software products as well as services (together hereinafter referred to as "products") described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as "T&C"). Note, for products purchased from any Siemens entity having a registered office outside of Germany, the respective terms and conditions of sale and delivery of the respective Siemens entity apply exclusively. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

1.1 For customers with a seat or registered office in European Union

For customers with a seat or registered office in European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the text of the product description, these specific terms and conditions shall apply and subordinate thereto,
- for stand-alone software products and software products forming a part of a product or project, the "General Conditions for Software Products for Infrastructure & Industry Business (German law)"[1] and/or
- for consulting services the "Allgemeine Geschäftsbedingungen für Beratungsleistungen für Infrastructure & Industry Geschäft (Deutsches Recht)"[1] (available only in German) and/or
- for other services, the "Supplementary Terms and Conditions for Services for Infrastructure & Industry Business (German Law) ("BL")"[1] and/or
- for other products the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1].
  In case such products should contain Open Source Software, the conditions of which shall prevail over the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"[1], the Product will be given a note as to which special conditions apply to this open source software. This shall apply mutatis mutandis for notices referring to other third-party software components.

1.2 For customers with a seat or registered office outside European Union

For customers with a seat or registered office outside European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for consulting services the "Standard Terms and Conditions for Consulting Services for Infrastructure & Industry Business (Swiss Law)"[1] and/or
- for other services the "International Terms & Conditions for Services"[1] supplemented by "Software Licensing Conditions"[1] and/or
- for other products the "International Terms & Conditions for Products"[1] supplemented by "Software Licensing Conditions"[1]

1.3 For customers with master or framework agreement

To the extent products offered are covered by an existing master or framework agreement, the terms and conditions of that agreement shall apply instead of T&C.

2. Additional Terms and Conditions

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches apply only to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the individual pages of this catalog – especially with regard to data, dimensions and weights given – these are subject to change without prior notice.

[1] The text of the Terms and Conditions of Siemens AG can be downloaded at **https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf**

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3. Export Control and Sanctions Compliance

3.1 General

Customer shall comply with all applicable sanctions, embargoes and (re-)export control laws and regulations, and, in any event, with those of the European Union, the United States of America and any locally applicable jurisdiction (collectively "Export Regulations").

3.2 Checks for Products

Prior to any transaction by customer concerning products (including hardware, documentation and technology) delivered by Siemens, or products (including maintenance and technical support) performed by Siemens with a third party, customer shall check and certify by appropriate measures that

- (i) the customer's use, transfer, or distribution of such products, the brokering of contracts or the provision of other economic resources in connection with products will not be in violation of any Export Regulations, also taking into account any prohibitions to circumvent these (e.g., by undue diversion)
- (ii) the products are not intended or provided for prohibited or unauthorized non-civilian purposes (e.g. armaments, nuclear technology, weapons, or any other usage in the field of defense and military);
- (iii) customer has screened all direct and indirect parties involved in the receipt, use, transfer, or distribution of the products against all applicable restricted party lists of the Export Regulations concerning trading with entities, persons and organizations listed therein and
- (iv) products within the scope of items-related restrictions, as specified in the respective annexes to the Export Regulations, will not, unless permitted by the Export Regulations, be (a) exported, directly or indirectly (e.g., via Eurasian Economic Union (EAEU) countries), to Russia or Belarus, or (b) resold to any third party business partner that does not take a prior commitment not to export such products to Russia or Belarus.

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Customer shall not, unless permitted by the Export Regulations or respective governmental licenses or approvals,
(i) download, install, access or use the products from or in any location prohibited by or subject to comprehensive sanctions or subject or to license requirements according to the Export Regulations;
(ii) grant access to, transfer, (re-)export (including any "deemed (re-)exports"), or otherwise make available the products to any entity, person, or organization identified on a restricted party list of the Export Regulations;
(iii) use the products for any purpose prohibited by the Export Regulations (e.g. use in connection with armaments, nuclear technology or weapons);
(iv) upload to a products platform any customer content unless it is non-controlled (e.g. in the EU: AL = N;
in the U.S.: ECCN = N or EAR99);
(v) facilitate any of the afore mentioned activities by any user.
Customer shall provide all users with all information necessary to ensure compliance with the Export Regulations.

3.4 Semiconductor Development

Customer will not, without advance written authorization from Siemens, use offerings for the development or production of integrated circuits at any semiconductor fabrication facility located in China meeting the criteria specified in the U.S. Export Administration Regulations, 15 C.F.R. 744.23.

3.5 Information

Upon request by Siemens, customer shall promptly provide Siemens with all information pertaining to users, the intended use and the location of use or the final destination (in the case of hardware, documentation and technology) of the products. Customer will notify Siemens prior to customer disclosing any information to Siemens that is defense-related or requires controlled or special data handling pursuant to applicable government regulations, and will use the disclosure tools and methods specified by Siemens.

3.6 Reservation

Siemens shall not be obligated to fulfill this agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions. Customer acknowledges that Siemens may be obliged under the Export Regulations to limit or suspend access by customer and/or users to products.

4. Miscellaneous

Errors excepted and subject to change without prior notice.

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Link directory

Catalog LV 10

General information

Information on low-voltage power distribution and electrical installation technology	www.siemens.com/lowvoltage
Tender specifications	www.siemens.com/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
Image database	www.siemens.com/lowvoltage/picturedb
CAx download manager	www.siemens.com/cax
Newsletter system	www.siemens.com/lowvoltage/newsletter
Siemens YouTube channel	www.youtube.com/Siemens
Catalog LV 10	www.siemens.com/lv10
Catalog LV 13	www.siemens.com/lv13
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Operating instructions/manuals	www.siemens.com/lowvoltage/manuals
SiePortal (knowledge base)	www.siemens.com/lowvoltage/product-support
SiePortal (product catalog)	www.siemens.com/lowvoltage/product-catalog
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Configurators	www.siemens.com/lowvoltage/configurators
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Local contacts	www.siemens.com/lowvoltage/contact www.siemens.com/lowvoltage/components/contact www.siemens.com/lowvoltage/systems/contact www.siemens.com/lowvoltage/software/contact
Technical Support	www.siemens.com/support-request
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TIA Selection Tool	www.siemens.com/tst
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Sustainability	www.siemens.com/sustainability

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Catalogs and further information

LV 10
Low-Voltage Power Distribution and Electrical Installation Technology
SENTRON • SIVACON • ALPHA

PDF (E86060-K8280-A101-B8-7600)

ET D1
Switches and Socket Outlets
DELTA

PDF (SIEP-C10409-00-7600)

LV 13
3WA Air Circuit Breakers
SENTRON

PDF (E86060-K8280-B101-A2-7600)

SiePortal
Information and Ordering Platform on the Internet:

sieportal.siemens.com

LV 18
Air Circuit Breakers and Molded Case Circuit Breakers with UL Certification
SENTRON

PDF (E86060-K8280-E347-B1-7600)

SITRAIN
Digital Industry Academy

www.siemens.com/sitrain

IC 10
Industrial Controls
SIRIUS

PDF (E86060-K1010-A101-B6-7600)

Siemens TIA Selection Tool
for the selection, configuration and ordering of TIA products and devices

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Smart Infrastructure
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Cybersecurity information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e. g. firewalls and/or network segmentation) are in place.

For additional information on industrial cybersecurity measures that may be implemented, please visit **www.siemens.com/cybersecurity-industry.**

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under **www.siemens.com/cert.**

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