

SIEMENS

SETRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

System Cubicles, System Lighting and
System Air-Conditioning

[siemens.com/lowvoltage](https://www.siemens.com/lowvoltage)

Catalog
Extract
LV 10

Edition
2025



Innovative solutions for industrial controls and power distribution

Reliable components, systems and software solutions 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.

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Your personal contact can be found at
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Catalog LV 10 · 2025

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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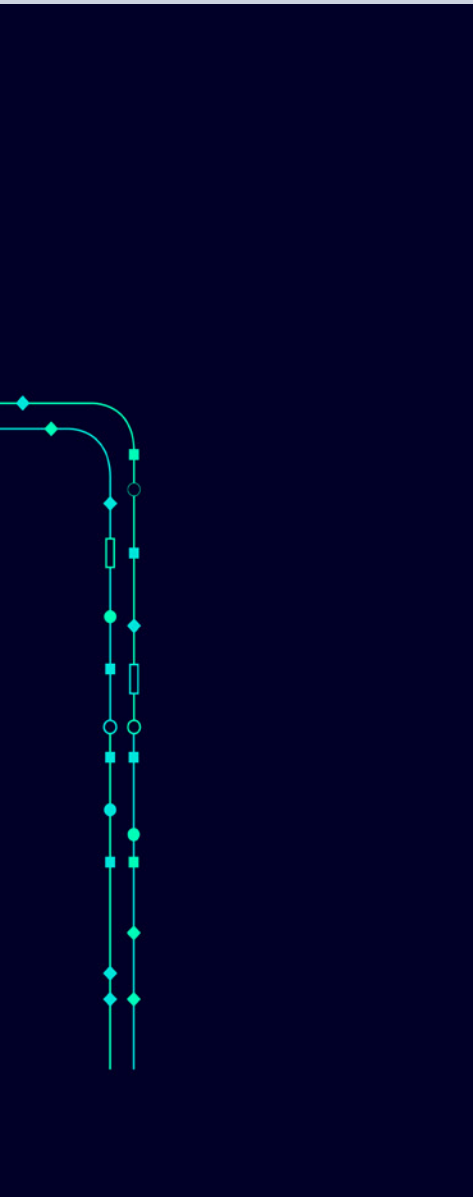
Equipped for all applications

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.



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

... 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)

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

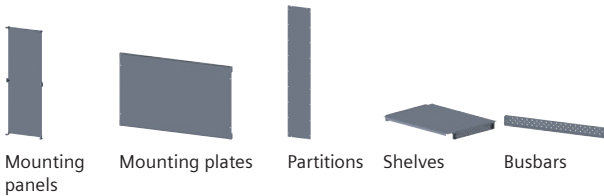


Door stays

Note:

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

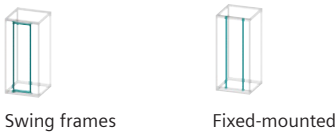
SIVACON 8MF1 configurable enclosures – Interior installation



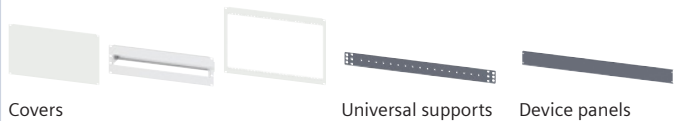
Interior installation accessories



SIVACON 8MF1 configurable enclosures – 19-inch expansion



19-inch expansion accessories



SIVACON 8MF/8MR system lighting – LED lights



LED lights accessories



SIVACON 8MF/8MR system lighting – Slimline lights



SIVACON 8MR system air-conditioning



Note:

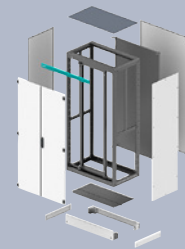
You will find a detailed range of accessories with the basic units and in the Accessories section.

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

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



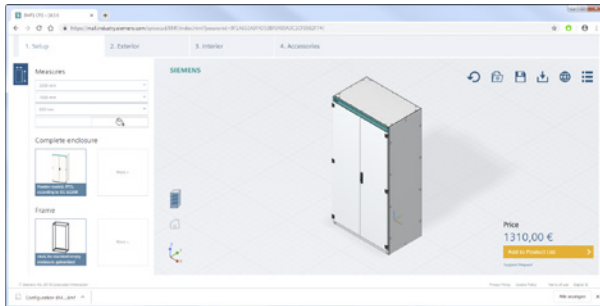
Earthquake-resistant version

- IP40
- Increased stability

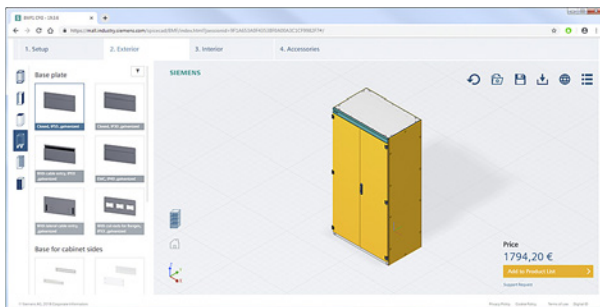
Online configurator highlights

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

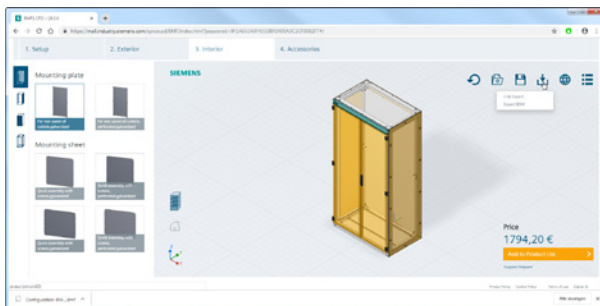
Graphical configuration directly on the 3D model



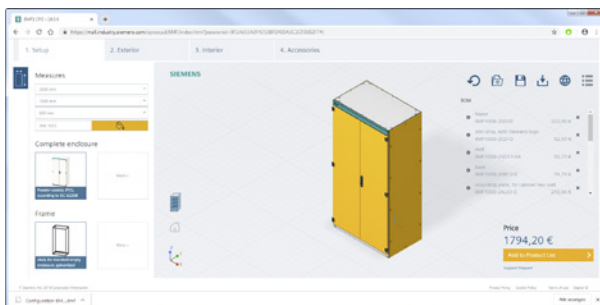
Customization of the control cabinet with cutouts and color



Exporting of parts lists and 3D and 2D data



Dynamic and interactive parts lists



Structure of the article numbers

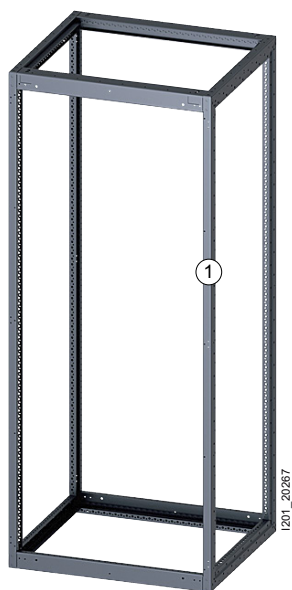
The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at www.siemens.com/lowvoltage/8mf1-configurator

8MF1		5	6	7	8	9	10	11
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

Quick selection guide

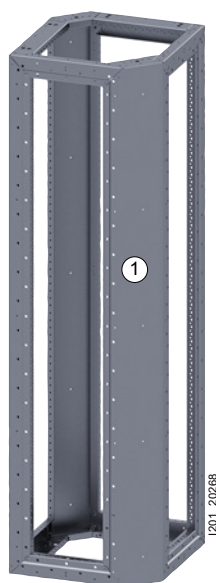
Frame

For standard enclosure



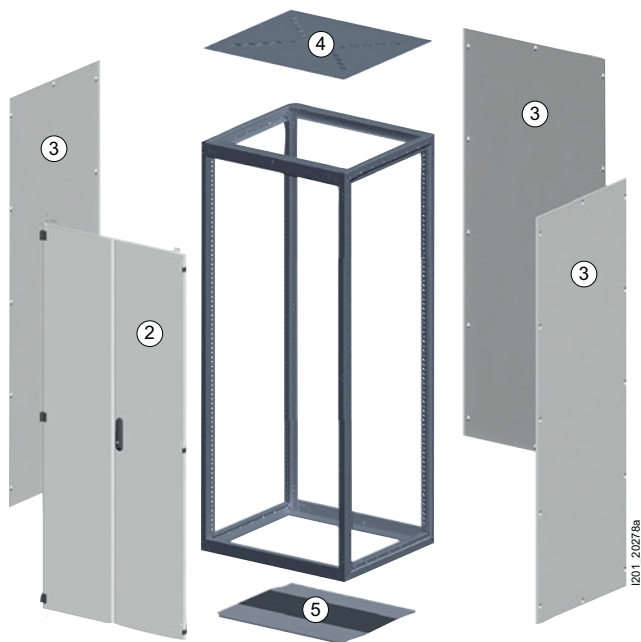
① Frame

For corner enclosure



① Frame

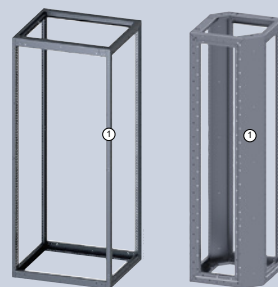
Enclosure



② Door, door half, compartment door
③ Side panels, rear panel

④ Roof
⑤ Floor

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	

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

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



8MF1		5	6	7	8	9	10	11	12
		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

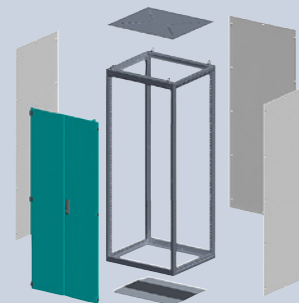
Kit for stabilization of corner connections		
	Scope of supply	Article No.
	8 units	8MF1000-2HF

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

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

8MF1			5	6	7	8	9	10	11	12	13	14	15	16
					0	2	U	T						
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			
Door version	IP20	With ventilation openings									1	B	A	2
	IP40	Closed									0	C	A	1
		With ventilation slits									2	B	A	2
	IP55	Closed									0	B	A	2
		With inspection window									0	B	E	2
		Strips for door reinforcement cannot be mounted												
	IPxx	With cutout 292 × 292 mm (up to IP55) for filter fan									3	B	A	2
	–	Inner door, closed (up to 800 mm wide)									4	B	A	2

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
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												
Width	600 mm	6											
	800 mm	8											

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

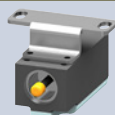
Strips



- 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	Mounting location			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

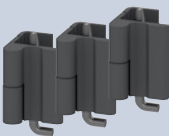


- With variable opening angle: 90°, 120° and 150°
- Surface: zinc-plated

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

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

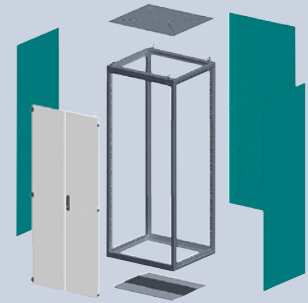
Spare part door

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 mm²	■	■	■	8MF1010-2HD3

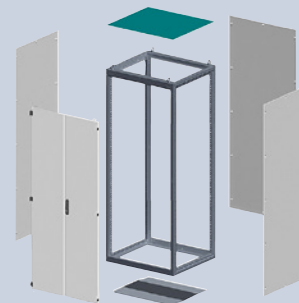
③ Side/rear walls and partition



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

8MF1				5	6	7	8	9	10	11	12	13	14
							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

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
			Without seal							1	0	0	A
	IP40	Closed	EMC seal							1	2	0	A
			With ventilation fins							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

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

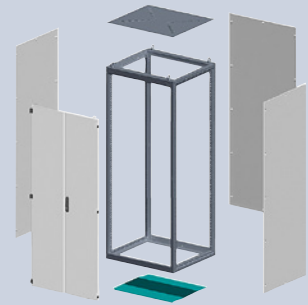
Roof tray rims for cubicle side, IPX1



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

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

8MF1		5	6	7	8	9	10	11	12	13
		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 Seal							1	2	0
	IPxx With cable entry, rear ¹⁾							3	2	0
	With cable entry, lateral and rear ²⁾							5	1	2
	With cut-outs for flanges							5	2	0

¹⁾ Version available from depth ≥ 600 mm, max. opening area at rear = 87 mm (without foam rubber)

²⁾ Version available from width ≥ 600 mm and depth ≥ 600 mm, max. opening area at rear = 87 mm and at side = 100 mm (without foam rubber)

For corner enclosure

8MF1		5	6	7	8	9	10	11	12	13
		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		

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

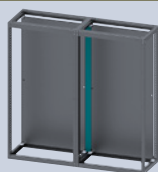
For mounting plate at rear, depth adjustable ¹⁾

8MF1		5	6	7	8	9	10	11	12	13
				0	2	A	L		3	0
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		0							
	1200 mm		2							
Version	Non-perforated							0		
	Perforated							1		

¹⁾ Center mounting only possible when mounted at rear or in conjunction with mounting rail (50), if the mounting plate is installed offset in the depth direction

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



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 side mounting plate

8MF1		5	6	7	8	9	10	11	12	13
			0		2	A	K		3	0
Cubicle height	1800 mm	8								
	2000 mm	0								
	2200 mm	2								
Depth	400 mm			4						
	500 mm			5						
	600 mm			6						
	800 mm			8						
	1000 mm			0						
Version	Non-perforated							0		
	Perforated							1		

Mounting plates

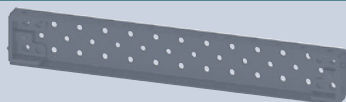


The structure shown below is intended as an overview of each position and its meaning.
For a complete and valid configuration of your system cubicle, please use our online configurator at www.siemens.com/lowvoltage/8mf1-configurator

8MF1		5	6	7	8	9	10	11	12	13
				0	2	A				0
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 or mounting rails (50)						M			
	Fixed directly to the frame or mounting rails (50)						A			
Version	Non-perforated							0		
	Perforated							1		
Material	2.0 mm sheet steel								2	

Mounting rails

Mounting rails (50)



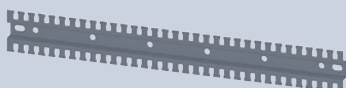
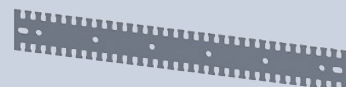
Length	Version	Article No.
250 mm	Suitable for cubicle depth 400 mm	8MF1025-2AS30
325 mm	Suitable for cubicle width 400 mm	8MF1032-2AS30
350 mm	Suitable for cubicle depth 500 mm	8MF1035-2AS30
425 mm	–	8MF1042-2AS30
450 mm	Suitable for cubicle depth 600 mm	8MF1045-2AS30
525 mm	Suitable for cubicle width 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 (25)



Version	Length	Article No.
Suitable for cubicle width	600 mm	8MF1056-2AS30
	1000 mm	8MF1096-2AS30
	1200 mm	8MF1006-2AS30
Suitable for door width	300 mm	8MF1016-2AS30
	400 mm	8MF1026-2AS30
	450 mm	8MF1031-2AS30
	500 mm	8MF1036-2AS30
	600 mm	8MF1046-2AS30
	800 mm	8MF1066-2AS30
	900 mm	8MF1076-2AS30
	1000 mm	8MF1086-2AS30

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, 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

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
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19" fixed-mounted	8MF1000-2HE
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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 mm ²	600 mm	8MF1060-2HD2
	800 mm	8MF1080-2HD2
	900 mm	8MF1090-2HD2
	1000 mm	8MF1000-2HD2
	1200 mm	8MF1020-2HD2
30 × 5 mm ²	600 mm	8MF1060-2HD1
	800 mm	8MF1080-2HD1
	900 mm	8MF1090-2HD1
	1000 mm	8MF1000-2HD1
	1200 mm	8MF1020-2HD1

Grounding screws



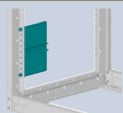
Thread	Article No.
M12	8MF1000-2HB

Grounding straps



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

Universal sheets

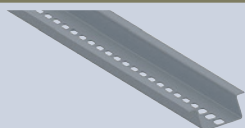


- Incl. DIN rail; e.g. for mounting a heater unit

Article No.

8MF1000-2HG

DIN rails



- For mounting modular installation devices

Height

7.5 mm

15 mm

Article No.

8MF1500-2HS

8MF1100-2HS

Insulated supports



Thread

M8

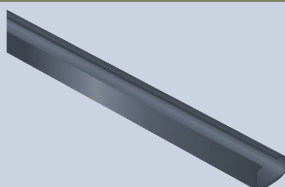
Dimensions

D 40 × 50 mm

Article No.

8MF1000-2VY

Cable clamping rails



Height

30 mm

Width

600 mm

800 mm

900 mm

1000 mm

1200 mm

–

Depth

–

–

–

–

–

400 mm

600 mm

800 mm

1000 mm

Article No.

8MF1360-2HH

8MF1380-2HH

8MF1390-2HH

8MF1310-2HH

8MF1320-2HH

8MF1304-2HH

8MF1306-2HH

8MF1308-2HH

8MF1301-2HH

40 mm

600 mm

800 mm

900 mm

1000 mm

1200 mm

–

400 mm

600 mm

800 mm

1000 mm

8MF1460-2HH

8MF1480-2HH

8MF1490-2HH

8MF1410-2HH

8MF1420-2HH

8MF1404-2HH

8MF1406-2HH

8MF1408-2HH

8MF1401-2HH

50 mm

600 mm

800 mm

900 mm

1000 mm

1200 mm

–

400 mm

600 mm

800 mm

1000 mm

8MF1560-2HH

8MF1580-2HH

8MF1590-2HH

8MF1510-2HH

8MF1520-2HH

8MF1504-2HH

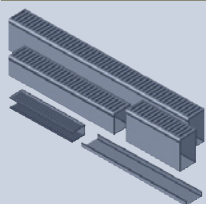
8MF1506-2HH

8MF1508-2HH

8MF1501-2HH

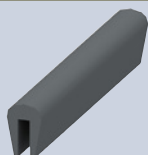
General accessories interior installation

Cable ducts



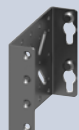
Version	Color	Height	Width	Article No.
Halogen-free	RAL 7035	37.5 mm	25 mm	8MF1120-2HL7
		50 mm	25 mm	8MF1220-2HL7
			37.5 mm	8MF1240-2HL7
			50 mm	8MF1250-2HL7
			75 mm	8MF1260-2HL7
		75 mm	50 mm	8MF1350-2HL7
			75 mm	8MF1360-2HL7
			100 mm	8MF1370-2HL7
			125 mm	8MF1380-2HL7
			100 mm	8MF1460-2HL7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

Edge protection



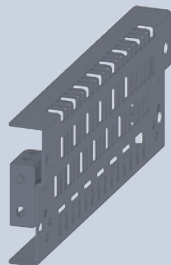
Dimensions	Length	Article No.
9.5 × 6.5 mm	5 m	8MF1000-2CD

Mounting plates



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

Buses for improving EMC



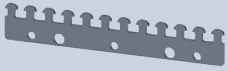
Installation in	Width	Depth	Article No.
Cubicle width	400 mm	–	8MF1040-2HN
	600 mm	–	8MF1060-2HN
	800 mm	–	8MF1080-2HN
	900 mm	–	8MF1090-2HN
	1000 mm	–	8MF1000-2HN
	1200 mm	–	8MF1020-2HN
Cubicle depth	–	400 mm	8MF1004-2HN
	–	600 mm	8MF1006-2HN
	–	800 mm	8MF1008-2HN
	–	1000 mm	8MF1001-2HN

Brackets

- For variable mounting of cable clamping rails

Article No.

8MF1000-2HH5

Toothed bars

- For installation on mounting rail

Length

100 mm

Article No.

8MF1000-2HC

Contact washers

- Size 6

Scope of supply

100 units

Article No.

8MF1000-2VJ

Screws

- M6 × 12

Scope of supply

100 units

Article No.

8MF1000-2VS

Adapters for wiring systems

Version

For Lütze wiring system

For Promet wiring system

Article No.

8MF1000-2HL

8MF1000-2HP

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 17/27](#))
- 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

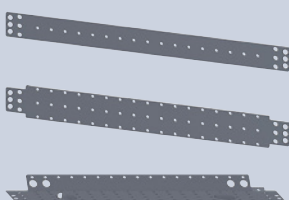
Version	Surface	Height	For mounting height	Article No.
Screwed ¹⁾	Zinc-plated	1800 mm	34 HU	8MF1800-2AR02-4
		2000 mm	38 HU	8MF1000-2AR02-4
		2200 mm	43 HU	8MF1200-2AR02-4
	Powder-coated	1800 mm	34 HU	8MF1800-2AR02-3
		2000 mm	38 HU	8MF1000-2AR02-3
		2200 mm	43 HU	8MF1200-2AR02-3
Welded ²⁾	Powder-coated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

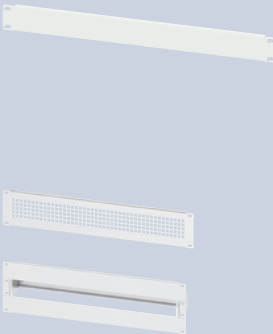
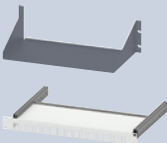
²⁾ Spring interlocking at top and bottom

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

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

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

Easy installation at any point on the steel cubicle

Screw fixing

Fixed installation in the case of impact loads or high vibration levels

Clip fixing

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

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

Easy installation at any point on the steel cubicle

Screw fixing

Fixed installation in the case of impact loads or high vibration levels

Clip fixing

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



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		

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 mm ²	VDE	8MR2210-1B
	AWG 16	VDE, UL	8MR2210-2B
DC connecting cable	2 × 1.5 mm ²	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 mm ²	VDE	8MR2210-1C
	AWG 16	VDE, UL	8MR2210-2C
DC plastic-sheathed cable	2 × 1.5 mm ²	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

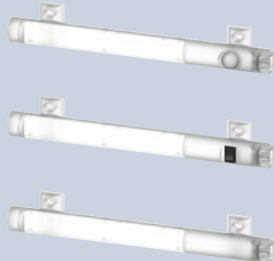
Ecoline

Magnetic fixing



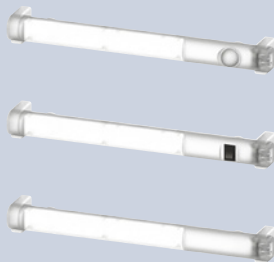
Version	Voltage		Article No.
With motion detector	AC 100 ... 240 V, 50/60 Hz	90 ... 110 V DC	8MR2303-0A
	24 ... 48 V DC		8MR2301-0A
With On/Off switch	AC 100 ... 240 V, 50/60 Hz	90 ... 110 V DC	8MR2303-1A
	24 ... 48 V DC		8MR2301-1A
Without switching function	AC 100 ... 240 V, 50/60 Hz	90 ... 110 V DC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

Slimline lights

Magnetic fixing (approx. 30 N)



Version	Voltage	Standard	Article No.
With motion detector and socket	230 V AC, 50/60 Hz	VDE	8MF5910-1C
With On/Off switch and socket	230 V AC, 50/60 Hz	VDE	8MF5900-1C

Screw fixing



Version	Voltage	Standard	Article No.
With motion detector and socket	230 V AC, 50/60 Hz	VDE	8MF5910-1A
Slimline lights with On/Off switch and socket	230 V AC, 50/60 Hz	VDE	8MF5900-1A

Quick selection guide

Solutions to provide protection against heat

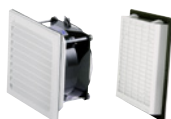
Cooling devices



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

SIEMENS
1 Project definition
2 System planning
3 Calculation
4 Project outputs

- New project
- System (DYACON BMT?)
 - System (already defined)
 - System (freely definable enclosure)
 - ☐ Freely definable enclosure

Devices

Nominal current...	Order number	Description	Quantity	Number...	Connected poles	Rated current [A]	RDF (rated direct...)	Power loss, pole of
0.00	6L3220-1X11-6A...	CHAMACS 6L32...	1	0	0	0.00		
0.00	6L3220-1X11-6A...	CHAMACS 6L32...	1	0	0	0.00		
•	80000 2W1228-...	AIR CIRCUIT BR...	3	3	3	500.00		2
	13000 2W1228-2032-0...	MCCB_RIC_F20...	3	3	3	100.00		1
	6L320 2W1228-83-...	MOLDED CASED...	1	3	3	63.00		

<----->

Busbars

Amperage [mm²]	Cross-section [mm²]	Length [mm]	Resistance [mΩ]	Number of poles	Calculated power L...

Power loss, devices [W]

- Power loss, wiring [W] 41.0
- Power loss, busbars [W] 0.0
- Dissipatable power loss for cooling [W] 451.0 Selection of devices: BM65423-5000

Total power loss [W] 451.0

Selection of IEC
stand IEC 60947-2

2 x BM65423-5000

Disippatable power losses of all circuits can be dissipated by the enclosure

The effective power losses of all circuits can be dissipated by the enclosure.

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

Filter fans and outlet filters

Filter fans

						Degree of protection IP54		Degree of protection IP55		
Cutout		Voltage	Input rating at 50 Hz	Standard	Color	Air current, free-blowing at 50 Hz	Article No.	Air current, free-blowing at 50 Hz	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		–	
	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		–	
	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		–	
	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		–	
			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		–		
	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	

Filter fans and outlet filters

Outlet filters without fan

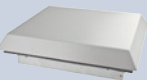
						Degree of protection IP54	Degree of protection IP55	
Cutout	External dimensions W x H	Mounting depth	Cover grille height	Color	Standard	Article No.	Article No.	
	Standard outlet filters							
	68 x 68 mm	80 x 80 mm	11 mm	4 mm	RAL 7035	VDE	8MR6400-5GV08	–
	92 x 92 mm	105 x 105 mm	12 mm	4.5 mm	RAL 7032	VDE, UL	8MR6400-2GV10	–
					RAL 7035	VDE, UL	8MR6400-5GV10	–
	116 x 116 mm	130 x 130 mm	24 mm	5 mm	RAL 7035	VDE	8MR6400-5GV20	–
	125 x 125 mm	148 x 148 mm	23 mm	5.5 mm	RAL 7032	VDE, UL	8MR6400-2GV25	–
					RAL 7035	VDE, UL	8MR6400-5GV25	8MR6500-5GV25
	177 x 177 mm	204 x 204 mm	26 mm	6 mm	RAL 7035	VDE, UL	8MR6400-5GV30	8MR6500-5GV30
	223 x 223 mm	250 x 250 mm	32 mm	6 mm	RAL 7032	VDE, UL	8MR6400-2GV45	–
					RAL 7035	VDE, UL	8MR6400-5GV45	8MR6500-5GV45
292 x 292 mm	323 x 323 mm				33 mm	6.5 mm	RAL 7032	VDE, UL
		RAL 7035	VDE, UL	8MR6400-5GV67			8MR6500-5GV67	
	EMC outlet filters							
	177 x 177 mm	204 x 204 mm	26 mm	6 mm	RAL 7035	VDE, UL	8MR6400-6GV30	8MR6500-6GV30
	223 x 223 mm	250 x 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				Degree of protection IP55		
	Dimensions W × H	Standard	Article No.	Dimensions W × H	Standard	Article No.
	Standard filter mats					
	65 × 65 mm	VDE	8MR6000-0AM08		VDE	–
	92 × 92 mm	VDE	8MR6000-0AM10		VDE	–
	112 × 112 mm	VDE	8MR6000-0AM20		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

Roof filter fans and roof outlet filters

Roof filter fans

						Degree of protection IP44	Degree of protection IP54
	Air current, free-blowing at 50 Hz	External dimensions W × H × D	Voltage	Input rating	Standard	Article No.	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

			Degree of protection IP44	Degree of protection IP54
	External dimensions W × H × D	Standard	Article No.	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	–

Air conditioners/cooling devices

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



Cooling capacity	Rated power	Dimensions W × H × D	Air capacity Inside	Outside	Design	Mounting Undrilled	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	Outside	Design	Mounting Undrilled	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

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	

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

Thermostats

Adjustable thermostats

	Version	Max. switching power	Temperature range	Standard	Article No.
	Mini thermostat				
	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

Thermostats

Tamper-proof thermostats

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

Hygrostats and hygrotherms

Hygrostats

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

Hygrotherms

	Version	Relative air humidity	Temperature range	Voltage	Max. switching power	Standard	Article No.
	Electronic hygrotherm						
	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	VDE, UL	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	VDE, UL	8MR2170-4E



Appendix



Conditions of sale and delivery _____ A/2

Link directory _____ A/4

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

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.

3.3 Non-Acceptable Use of Software and Cloud Services

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 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.

Link directory

Catalog LV 10

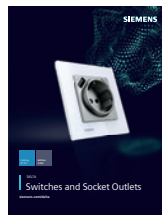
General information

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
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Newsletter system	www.siemens.com/lowvoltage/newsletter
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TIA Selection Tool	www.siemens.com/tst
Electrical Product Finder	www.siemens.com/electrical-product-finder
Sustainability	www.siemens.com/sustainability
Siemens EcoTech	www.siemens.com/SiemensEcoTech www.siemens.com/lowvoltage/SiemensEcoTech
SETRON product phase-out	www.siemens.com/info-sentron

Catalogs and further information



LV 10
Low-Voltage Power Distribution and Electrical Installation Technology
 SENTRON • SIVACON • ALPHA
 PDF (E86060-K8280-A101-B9-7600)



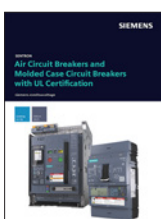
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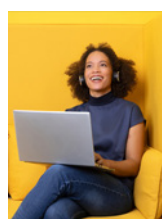
LV 13
3WA Air Circuit Breakers
 SENTRON
 PDF (E86060-K8280-B101-A4-7600)



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LV 18
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IC 10
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Siemens TIA Selection Tool
 for the selection, configuration and ordering of TIA products and devices
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The catalogs listed above and additional catalogs are available in PDF format at
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Further information on low-voltage power distribution and electrical installation technology is available on the Internet at www.siemens.com/lowvoltage

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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Published by
Siemens AG

Smart Infrastructure
Electrical Products
Siemensstraße 10
93055 Regensburg, Germany

For the U.S. published by
Siemens Industry Inc.

3617 Parkway Lane
Peachtree Corners, GA 30092
United States

PDF (Catalog Extract
E86060-K8280-A101-B9-7600)
KG 1224 56 En
Produced in Germany
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