



Masterpact™ MTZ

**Catalogue numbers
and spare parts 2017**
Power circuit breakers
and switch-disconnectors



schneider-electric.com

Life Is On

Schneider
Electric



Green Premium™

Endorsing eco-friendly products in the industry



Green Premium™ Product

Green Premium is the only label that allows you to effectively develop and promote an environmental policy whilst preserving your business efficiency. This ecolabel guarantees compliance with up-to-date environmental regulations, but it does more than this.

Over 75% of Schneider Electric manufactured products have been awarded the Green Premium ecolabel



Discover what we mean by green

Check your products!

Schneider Electric's Green Premium ecolabel is committed to offering transparency, by disclosing extensive and reliable information related to the environmental impact of its products:

RoHS

Schneider Electric products are subject to RoHS requirements at a worldwide level, even for the many products that are not required to comply with the terms of the regulation. Compliance certificates are available for products that fulfil the criteria of this European initiative, which aims to eliminate hazardous substances.

REACH

Schneider Electric applies the strict REACH regulation on its products at a worldwide level, and discloses extensive information concerning the presence of SVHC (Substances of Very High Concern) in all of these products.

PEP: Product Environmental Profile

Schneider Electric publishes complete set of environmental data, including carbon footprint and energy consumption data for each of the lifecycle phases on all of its products, in compliance with the ISO 14025 PEP ecopassport program. PEP is especially useful for monitoring, controlling, saving energy, and/or reducing carbon emissions.

EoLI: End of Life Instructions

Available at the click of a button, these instructions provide:

- Recyclability rates for Schneider Electric products.
- Guidance to mitigate personnel hazards during the dismantling of products and before recycling operations.
- Parts identification for recycling or for selective treatment, to mitigate environmental hazards/ incompatibility with standard recycling processes.

Order your circuit breaker

Digital tools

Order your Masterpact MTZ through digital tools

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Order your circuit breaker

Sapre parts

Masterpact MTZ1

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Masterpact MTZ2/3

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Order your Masterpact MTZ through digital tools MyPact

To simplify and expedite the ordering of Masterpact MTZ, three new tools are introduced:

- **MyPact:** An online software tool to help create and save the configuration of LV Circuit breaker. It ensures quick and errorless configuration and ordering
- **Product Code:** An alphanumeric code representing the configuration of a Masterpact MTZ circuit breaker. It simplifies the way to communicate the configuration of a Masterpact MTZ circuit breaker during ordering, sharing information and asking for help remotely.
- **GoDigital:** An online market place to purchase Digital Modules 24/7. It allows upgrading of Masterpact MTZ at anytime anywhere.

MyPact

MyPact aims at providing a fast, secure and smart way of selecting and configuring LV Circuit Breaker ranges. It includes the selection of the basic frame, control unit, accessories and Digital Modules. Compared with the traditional way of filling up order forms or specifying customer functions, it brings the following benefits:

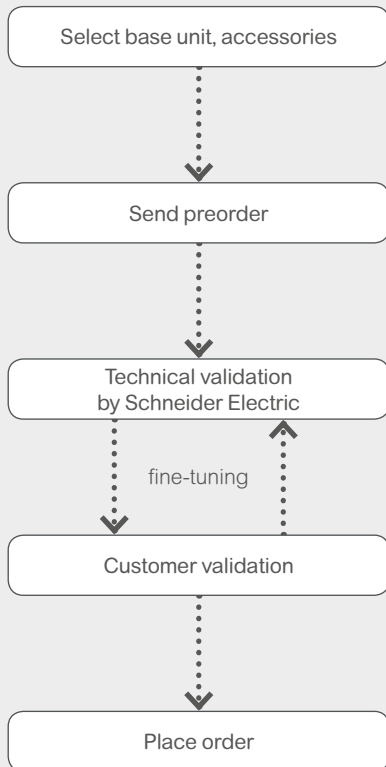
- state-of-the-art ergonomic, intuitive and interactive interface eases and speeds up the configuration
- configuration rules are embedded, compatible options are automatically filtered and completeness of the configuration is checked. It ensures the correct configuration and saves time fixing mistakes.
- configurations can be saved either locally or through cloud service. Repeated configuration or modified configuration can be done in a fraction of the time.

> Go to MyPact



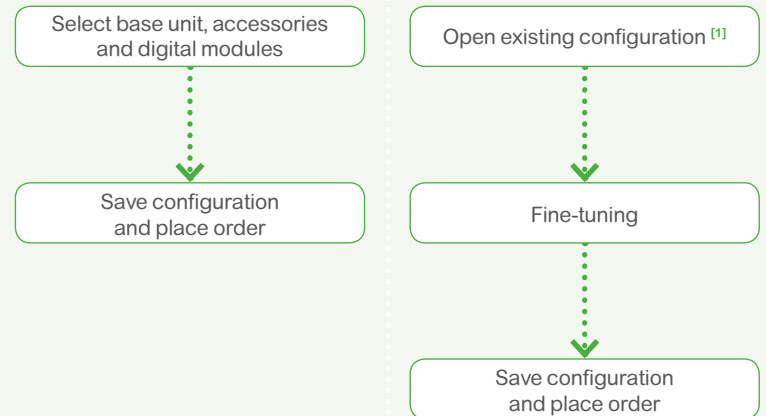
Yesterday,

Ordering process of Masterpact NT/NW, new or repeat or modified configuration



Today,

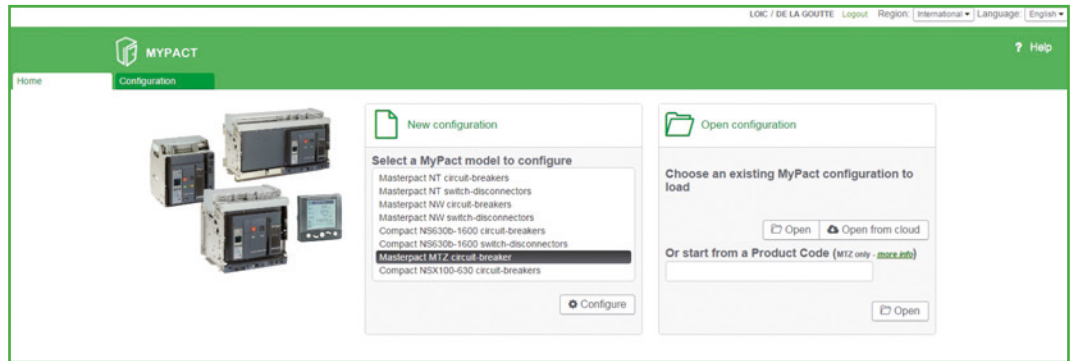
Ordering process of Masterpact MTZ with MyPact
new configuration | repeat or modified configuration



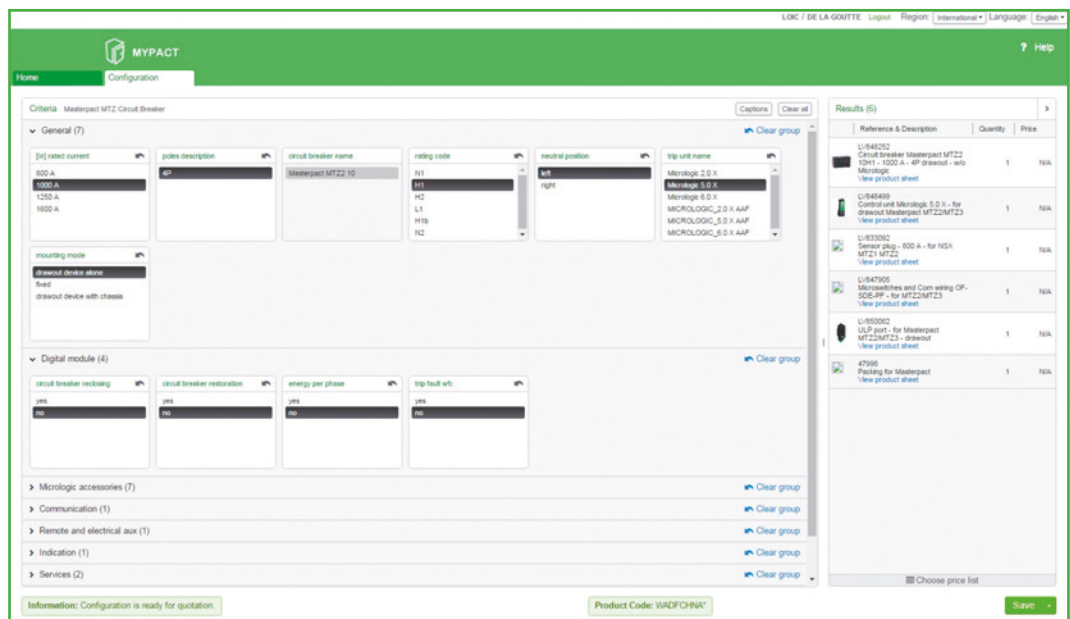
[1] Existing configuration can be opened directly in the saved configurations or by entering the Product Code.

Order your Masterpact MTZ through digital tools MyPact

Homepage



Configuration page



Note:

- All configurations are encouraged to be done in MyPact. If you have difficulties accessing or using MyPact, contact Schneider Electric Customer Care Centre or your Schneider Electric sales representatives for more information about MTZ ordering.
- An overview of how to use MyPact can be accessed through MyPact portal to help first time users quickly be autonomous.

Order your Masterpact MTZ through digital tools

Masterpact MTZ Product Code

Masterpact MTZ Product Code is an alphanumeric code representing the complete configuration of a Masterpact MTZ circuit breaker. It will be automatically generated for each Masterpact MTZ circuit breaker after completing the configuration through MyPact. It will appear in the invoice and delivery documents as well as the labelling on the Masterpact MTZ circuit breaker and the packaging.

Masterpact MTZ Product Code brings the following benefits:

- Quick and unique identification of the initial configuration of a circuit breaker can be achieved by reading the code on the physical products or other recordings
- Reordering of the same Masterpact MTZ circuit breaker is simplified by communicating configuration through product code
- Recording or sharing information about the initial configuration of a circuit breaker is simplified

Details of the coding rules can be accessed through MyPact portal and here are some of the highlights:

- All options of accessories are coded.
- The minimum length of the code is 9 characters and the maximum length of the code is 33* characters depending on the choice of the accessories.
- Capital letters, numbers and start sign ^[1] are used.

[1] The maximum length of the code may change due to future enrichment of the offer.

An example of Masterpact MTZ product code

- Masterpact type: MTZ2
- Rating: 1000A
- Sensor rating: 800A
- Performance Level: H1
- Micrologic: 5.0 X
- VPS module: Yes
- Number of poles: 4P
- Type of installation: Drawout with chassis
- Connection: Top Horizontal Bottom Horizontal
- Type of communication: ULP + EIFE without I/O module
- Accessories for Design & Installation simplification and operation efficiency: No
- Accessories for People and Property Safety: No
- Digital Modules: Energy per phase

> **Product Code: WADFEADN**A**

Yesterday



Calling CCC and try to explain all the customer functions

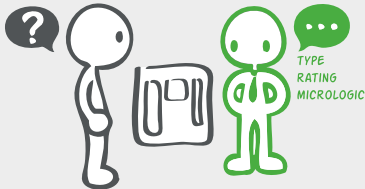
When you want to share information with your colleagues or Schneider Electric CCC

Today



Sending a text message through CCC app with the product code

Yesterday



Engaging Schneider Electric Field Service to conduct an analysis

When you want to know the configuration of a circuit breaker

Today



Checking the product code on the physical products

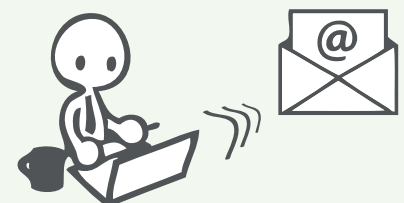
Yesterday



Fill up order form or calling Schneider Electric CCC

When you want to reorder a circuit breaker

Today



Type in the product code through MyPact and send order

Order your Masterpact MTZ through digital tools

GoDigital

> Go to GoDigital



GoDigital is the Schneider Electric market place that allows you to purchase Digital Modules for Masterpact MTZ control unit Micrologic X that has already installed in the Masterpact MTZ. It provides different Digital Modules to customize your control unit with advanced protection, metering and diagnosis functionalities. It is open 24/7. With GoDigital, Panel Builders have the flexibility to further customize the Micrologic X features at last minute before commissioning the switchboard. Electrical contractors and facility managers can upgrade the install base during operational phase of product life cycle, according to new requirements, anytime, without changing the hardware or disrupting operations.*

Note: Changing the protection functions among LI (Micrologic 2.0 X), LSI (Micrologic 5.0 X), LSIG (Micrologic 6.0 X) and LSIV (Micrologic 7.0 X) requires the change of the Micrologic X.

The screenshot displays the GoDigital marketplace interface. On the left, there is a navigation menu with categories: 'Circuit Breakers Digital Modules (4)', 'Metering (1)', and 'Diagnosis (3)'. The main content area shows two product listings:

- LV850002 - Energy per Phase**: Priced at £ 16.65 (Actual price: £ 33.30, Discount: 50%). The service short description states: 'At the point of measure, it allows to calculate and display the active, reactive and apparent energy.' A 'Read more and buy' link is provided.
- LV850005 - Masterpact operation assistant**: Priced at £ 28.65 (Actual price: £ 57.30, Discount: 50%). The service short description states: 'This function aim to assist the Masterpact operator to reclose the breaker.' A 'Read more and buy' link is provided.

Each Digital Module purchased is delivered with a software license for a unique Micrologic X control unit and can only be installed on that particular Micrologic X. Therefore, the Micrologic X control unit serial number needs to be reregistered in the GoDigital platform for the first time purchase.

For the first purchase for a particular Micrologic X, three ways are available:

1) Ecoreach

When connected to Micrologic X through either USB connection or IFE/EIFE connection, Ecoreach can read the unique serial number* and identify the Micrologic X. It will also show all the available Digital Modules which are compatible with the Micrologic X firmware version. When clicking "Buy", it will direct the user to GoDigital marketplace PC version with the Micrologic X serial number automatically registered in it.

2) Masterpact MTZ mobile App

When connected to Micrologic X through either Bluetooth connection or NFC connection, Masterpact MTZ mobile App will identify the Micrologic X and proposes available Digital Modules. When clicking "Purchase", it will direct the user to GoDigital marketplace mobile version with the Micrologic X serial number automatically registered in it.

3) GoDigital mobile version

Flash the QR code on Micrologic X using a mobile phone. Go2SE page will provide the user direct link to the mobile version of the site GoDigital. User can proceed directly with the purchasing or save the Micrologic X serial number in the "My assets" section in the GoDigital for future purchase.

For the second purchase of the same Micrologic X control unit.

4) GoDigital PC version

In the section "My assets", choose the serial number of the Micrologic X to be upgraded and purchase the additional Digital Modules.

<http://godigital.schneider-electric.com/>

Note:

■ Please note that GoDigital platform is only used to purchase Digital Modules for Micrologic X which is already installed.

When ordering a new circuit breaker, Digital Modules are selected in MyPact and installed in factory before delivered.

■ The serial number is also printed on the faceplate of Micrologic X

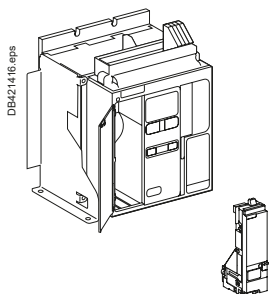
MTZ1 06 to MTZ1 16 fixed circuit breakers

Circuit breakers

A Masterpact fixed circuit breaker is described by 4 catalogue numbers corresponding to:

- the basic circuit breaker
- a control unit
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker

Type H1				
		3P	4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	Icu	
MTZ1 06	630	42	LV847110	LV847115
MTZ1 08	800	42	LV847120	LV847125
MTZ1 10	1000	42	LV847130	LV847135
MTZ1 12	1250	42	LV847140	LV847145
MTZ1 16	1600	42	LV847150	LV847155
Type H2				
		3P	4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	Icu	
MTZ1 06	630	50	LV847113	LV847119
MTZ1 08	800	50	LV847123	LV847128
MTZ1 10	1000	50	LV847131	LV847138
MTZ1 12	1250	50	LV847141	LV847147
MTZ1 16	1600	50	LV847151	LV847157
Type H3				
		3P	4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	Icu	
MTZ1 06	630	66	LV846436	LV846443
MTZ1 08	800	66	LV846437	LV846444
MTZ1 10	1000	66	LV846438	LV846445
MTZ1 12	1250	66	LV846439	LV846446
MTZ1 16	1600	66	LV846440	LV846447
Type L1				
		3P	4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	Icu	
MTZ1 06	630	150	LV847112	LV847117
MTZ1 08	800	150	LV847122	LV847127
MTZ1 10	1000	150	LV847132	LV847137

Micrologic X control unit

"Class1 IEC 61557-12 certified power meter"		
		3P/4P
Micrologic 2.0 X	basic protection	LV847280
Micrologic 5.0 X	selective protection	LV847283
Micrologic 6.0 X	selective + earth-fault protection	LV847288
Micrologic 7.0 X	selective + earth-leakage protection	LV847287

Digital modules option

	3P/4P
Energy per phase	LV850002
Power restoration assistant	LV850004
Masterpact operation assistant	LV850005
Waveform capture trip oriented	LV850003

Ethernet communication option

		LV850063
ULP Port		LV850063
IFE	Ethernet interface for LV breaker	LV434001
	Ethernet interface for LV breakers and gateway	LV434002
I/O application module		LV434063

Auxiliaries and accessories:

for fixed devices: see [page I-16](#).

for fixed or drawout devices: see [page I-16](#).

Switch-disconnector version: see [page I-18](#).

Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 fixed circuit breakers

Connections

Front connection

	630-1600 A	Top	3P LV847328	4P LV847330
		Bottom	LV847329	LV847331

Front connection accessories

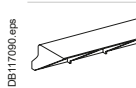
Vertical connection adapters 630-1600 A

	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Interphase barriers

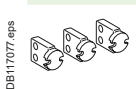
	3P/4P top (3 parts)	LV833648SP
	3P/4P bottom (3 parts)	LV833648SP

Arc chute screen

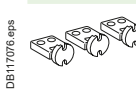
	3P	LV847335SP
	4P	LV847336SP

Rear connection

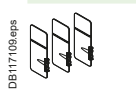
Vertical connection

	630-1600 A	Top	3P LV833604	4P LV833614
		Bottom	LV833605	LV833615

Horizontal connection

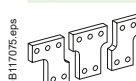
	630-1600 A	Top	3P LV833606	4P LV833616
		Bottom	LV833607	LV833617

Rear connection accessories

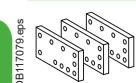
	Interphase barriers	
	3P/4P top (3 parts)	LV833648SP
	3P/4P bottom (3 parts)	LV833648SP

Common accessories for front and rear connections

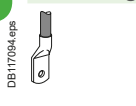
Spreaders

	630-1600 A	3P	LV833622SP
		4P	LV833623SP
	For front and horizontal rear connection		

Cable lug adapters 630-1600 A

	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

Cable lug kits

	240 mm ²	3P (6 lug kit)	LV833013SP
		4P (8 lug kit)	LV833014SP
	300 mm ²	3P (6 lug kit)	LV833015SP
		4P (8 lug kit)	LV833016SP

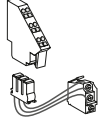
MTZ1 06 to MTZ1 16 fixed circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

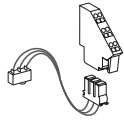
DB117057.eps



Changeover contacts (6 A - 240 V)	4 (standard)
1 low-level OF to replace 1 standard OF (4 max.)	LV847339

"Fault trip" indication contacts (SDE)

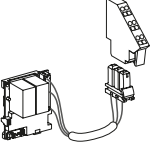
DB117059.eps



Changeover contact (6 A - 240 V)	1 (standard)
1 additional SDE (6 A - 240 V)	LV847340
1 additional low-level SDE	LV847341

Programmable contacts (programmed via Micrologic X control unit)

DB424639.eps

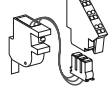


2 contacts (M2C) (5 A - 240 V)	LV847403
--------------------------------	-----------------

Remote operation

"Ready to close" contact (1 max.)

DB117070.eps



	PF
1 changeover contact (5 A - 240 V)	LV847342
1 low-level changeover contact	LV847343

Electrical closing pushbutton

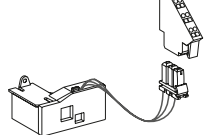
DB424640.eps



	BPFE
1 pushbutton	LV847512

Remote reset after fault trip

DB424641.eps



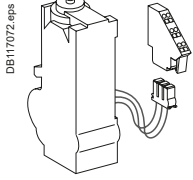
Electrical reset	RES
100/130 V AC	LV847344
200/240 V AC	LV847345
Automatic reset	RAR
Adaptation	LV847346

MTZ1 06 to MTZ1 16 fixed circuit breakers

Remote operation

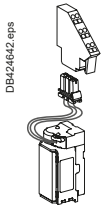
Remote ON/OFF

Gear motor



		MCH
AC 50/60 Hz	48 V	LV847391
	100/130 V	LV847395
	200/240 V	LV847396
	277/415 V	LV847398
	440/480 V	LV847400
DC	24/30 V	LV847390
	48/60 V	LV847391
	100/130 V	LV847392
	200/250 V	LV847393

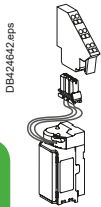
Instantaneous voltage releases



		Closing release	Opening release	
Standard		XF	MX	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847350	LV847360	
	48/60 V DC, 48 V AC	LV847351	LV847361	
	100/130 V AC/DC	LV847352	LV847362	
	200/250 V AC/DC	LV847353	LV847363	
	277 V AC	LV847354	LV847364	
	380/480 V AC	LV847355	LV847365	
Diagnostics & Communicating		XF diag & com	MX diag & com	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847311	LV847321	
	48/60 V DC, 48 V AC	LV847312	LV847322	
	100/130 V AC/DC	LV847313	LV847323	
	200/250 V AC/DC	LV847314	LV847324	
	277 V AC	LV847315	LV847325	
	380/480 V AC	LV847316	LV847326	
Standard		Opening release	MN	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847380		
	48/60 V DC, 48 V AC	LV847381		
	100/130 V AC/DC	LV847382		
	200/250 V AC/DC	LV847383		
DC	380/480 V AC	LV847385		
	Diagnostics		MN diag	
	AC 50/60 Hz	24/30 V DC, 24 V AC	LV836700	
		48/60 V DC, 48 V AC	LV836701	
100/130 V AC/DC		LV836702		
200/250 V AC/DC		LV836703		
DC	380/480 V AC	LV836704		

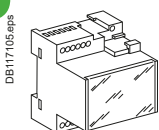
Remote tripping

Instantaneous voltage release



		2 nd MX
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847370
	48/60 V DC, 48 V AC	LV847371
	100/130 V AC/DC	LV847372
	200/250 V AC/DC	LV847373
	277 V AC	LV847374
	380/480 V AC	LV847375

MN delay unit



		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48/60 V AC/DC	LV833684SP	LV833680SP
	100/130 V AC/DC	LV833685SP	LV833681SP
	200/250 V AC/DC		LV833682SP
	380/480 V AC/DC		LV833683SP

[1] No compatible with any version of MN coils.

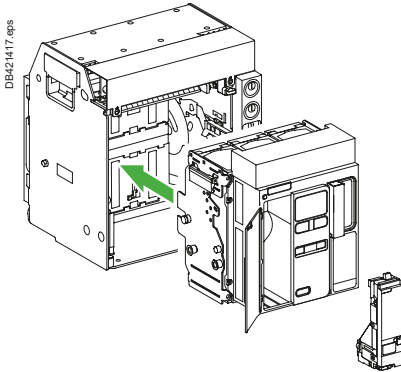
MTZ1 06 to MTZ1 16 drawout circuit breakers

Circuit breakers

A Masterpact drawout circuit breaker is described by 5 catalogue numbers corresponding to:

- the basic circuit breaker
- a control unit
- a chassis
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker

Type H1			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ1 06	630	42	LV847200	LV847205
MTZ1 08	800	42	LV847210	LV847215
MTZ1 10	1000	42	LV847220	LV847225
MTZ1 12	1250	42	LV847230	LV847235
MTZ1 16	1600	42	LV847240	LV847245

Type H2			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ1 06	630	50	LV847203	LV847209
MTZ1 08	800	50	LV847211	LV847218
MTZ1 10	1000	50	LV847221	LV847228
MTZ1 12	1250	50	LV847231	LV847237
MTZ1 16	1600	50	LV847241	LV847247

Type H3			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ1 06	630	66	LV846450	LV846457
MTZ1 08	800	66	LV846451	LV846458
MTZ1 10	1000	66	LV846452	LV846459
MTZ1 12	1250	66	LV846453	LV846460
MTZ1 16	1600	66	LV846454	LV846461

Type L1			3P	4P
	In (A at 40 °C)	Icu (kA for U = 220/415 V) - Ics = 100 % Icu		
MTZ1 06	630	150	LV847202	LV847207
MTZ1 08	800	150	LV847212	LV847217
MTZ1 10	1000	150	LV847222	LV847227

Micrologic X control unit

"Class1 IEC 61557-12 certified power meter"			3P/4P
Micrologic 2.0 X	basic protection		LV847281
Micrologic 5.0 X	selective protection		LV847284
Micrologic 6.0 X	selective + earth-fault protection		LV847292
Micrologic 7.0 X	selective + earth-leakage protection		LV865307

Digital modules option

	3P/4P
Energy per phase	LV850002
Power restoration assistant	LV850004
Masterpact operation assistant	LV850005
Waveform capture on trip event	LV850003

Chassis

For type H1 - H2 -H3		
	3P	4P
630-1250 A	LV833722	LV833725
1600 A	LV833723	LV833726
For type L1		
	3P	4P
630-1000 A	LV833723	LV833726

Ethernet communication option

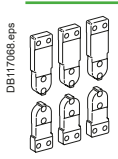
ULP port		LV850064
EIFE	Embedded ethernet interface for LV breaker	LV851100
IFE	Ethernet interface for LV breaker	LV434001
	Ethernet interface for LV breakers and gateway	LV434002
I/O application module		LV434063

Auxiliaries and accessories:
 for drawout devices: see [page I-16](#).
 for fixed or drawout devices: see [page I-16](#).
 Switch-disconnector version: see [page I-18](#).
 Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 drawout circuit breakers

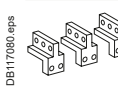
Connections

Chassis front connection

	630-1600 A	Top	3P LV833727	4P LV833733
		Bottom	LV833728	LV833734

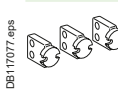
Front connection accessories

Vertical connection adapters 630-1600 A

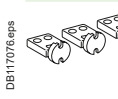
	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Chassis rear connection

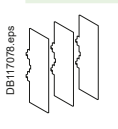
Vertical connection

	630-1600 A	Top	3P LV833729	4P LV833735
		Bottom	LV833730	LV833736

Horizontal connection

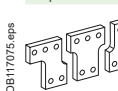
	630-1600 A	Top	3P LV833731	4P LV833737
		Bottom	LV833732	LV833738

Rear connection accessories

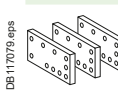
	Interphase barriers ^[1]	
	3P/4P (3 parts)	LV833768SP
	[1] The same kit covers the top and the bottom connections on the same time.	

Common accessories for front and rear connection


Spreaders

	630-1600 A	3P	LV833622SP
		4P	LV833623SP
For front and horizontal rear connection.			

Cable lug adapters 630-1600 A

	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

Cable lug kits

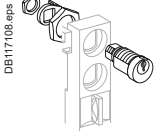
	240 mm ²	3P (6 lug kit)	LV833013SP
		4P (8 lug kit)	LV833014SP
	300 mm ²	3P (6 lug kit)	LV833015SP
		4P (8 lug kit)	LV833016SP

MTZ1 06 to MTZ1 16 drawout circuit breakers

Chassis locking and accessories

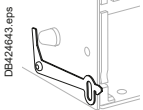
Chassis locking

"Disconnected" position locking



By padlocks		
	VCPO	Standard
By Profalux keylocks		
Profalux	1 lock with 1 key + adaptation kit	LV833773
	2 locks 1 key + adaptation kit	LV833774
	2 locks 2 different keys + adaptation kit	LV833775
By Ronis keylocks		
Ronis	1 lock with 1 key + adaptation kit	LV833776
	2 locks 1 key + adaptation kit	LV833777
	2 locks 2 different keys + adaptation kit	LV833778
	Optional disconnected/test/connected position locking	LV833779
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV833769SP
	adaptation kit Castell	LV833771SP
	adaptation kit Kirk	LV833772SP

Door interlock (1 part)



Right-hand side of chassis (VPECD)	LV833786
Left-hand side of chassis (VPECG)	LV833787

Racking interlock



Racking interlock (VPOC)	LV833788
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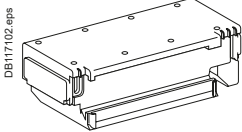
Breaker mismatch protection



Breaker mismatch protection (VDC)	LV833767SP
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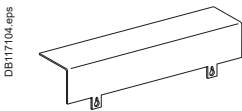
Chassis accessories

Arc chute cover



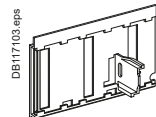
3P/4P	Standard
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Auxiliary terminal shield (CB)



Terminal shield	3P	LV833763
	4P	LV833764

Safety shutters as standard



Safety shutters (VO)	3P	Standard
	4P	Standard

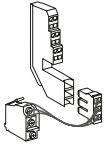
MTZ1 06 to MTZ1 16 drawout circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

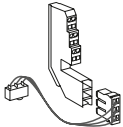
DB117063.eps



Changeover contacts (6 A - 240 V)	4 (standard)
1 low-level OF to replace 1 standard OF (4 max.)	LV833806

"Fault trip" indication contacts (SDE)

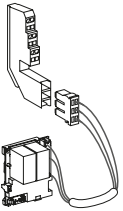
DB117065.eps



Changeover contact (6 A - 240 V)	1 (standard)
1 additional SDE (6 A - 240 V)	LV847430
1 additional low-level SDE	LV847431

Programmable contacts (programmed via Micrologic X control unit)

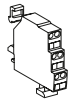
DB424645.eps



2 contacts M2C (5 A - 240 V)	LV847483
------------------------------	-----------------

Carriage switches (connected / disconnected / test position)

DB117061.eps



Changeover contacts (6 A - 240 V)	
1 connected position contact (3 max.)	LV833751
1 test position contact (1 max.)	LV833752
1 disconnected position contact (2 max.)	LV833753
And/or low-level changeover contacts	
1 connected position contact (3 max.)	LV833754
1 test position contact (1 max.)	LV833755
1 disconnected position contact (2 max.)	LV833756

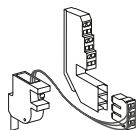
Auxiliary terminals for chassis alone

3 wire terminal (30 parts)	LV847071SP
6 wire terminal (10 parts)	LV847072SP
Jumpers (10 parts)	LV847900SP

Remote operation

"Ready to close" contact (1 max.)

DB117059.eps



1 changeover contact (5 A - 240 V)	PF
1 low-level changeover contact	LV847432
	LV847433

Electrical closing pushbutton

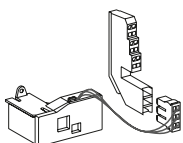
DB424646.eps



1 pushbutton	BPFE
	LV847512

Remote reset after fault trip

DB117082.eps



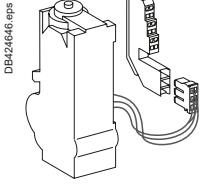
Electrical reset	
100/130 V AC	RES
200/240 V AC	LV847434
	LV847435
Automatic reset	
	RAR
Adaptation	LV847346

MTZ1 06 to MTZ1 16 drawout circuit breakers

Remote operation

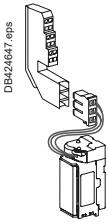
Remote ON/OFF

Gear motor



		MCH
AC 50/60 Hz	48 V	LV847461
	100/130 V	LV847465
	200/240 V	LV847466
	277/415 V	LV847468
	440/480 V	LV847470
DC	24/30 V	LV847460
	48/60 V	LV847461
	100/130 V	LV847462
	200/250 V	LV847463

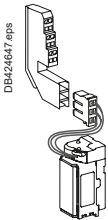
Instantaneous voltage releases



		Closing release	Opening release	
Standard		XF	MX	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847440	LV833810	
	48/60 V DC, 48 V AC	LV847441	LV833811	
	100/130 V AC/DC	LV847442	LV833812	
	200/250 V AC/DC	LV847443	LV833813	
	277 V AC	LV847444	LV833814	
DC	380/480 V AC	LV847445	LV833815	
	Diagnostics & Communicating		MX diag & com	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847412	LV833792	
	48/60 V DC, 48 V AC	LV847413	LV833793	
	100/130 V AC/DC	LV847414	LV833794	
	200/250 V AC/DC	LV847415	LV833795	
	277 V AC	LV847416	LV833796	
DC	380/480 V AC	LV847417	LV833797	
			Opening release	
Standard		MN		
AC 50/60 Hz	24/30 V DC, 24 V AC	LV833819		
	48/60 V DC, 48 V AC	LV833820		
	100/130 V AC/DC	LV833821		
	200/250 V AC/DC	LV833822		
DC	380/480 V AC	LV833824		
	Diagnostics		MN diag	
	AC 50/60 Hz	24/30 V DC, 24 V AC	LV836710	
		48/60 V DC, 48 V AC	LV836711	
100/130 V AC/DC		LV836712		
200/250 V AC/DC		LV836713		
DC	380/480 V AC	LV836714		

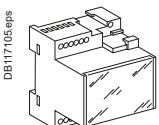
Remote tripping

Instantaneous voltage release



		2 nd MX
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847450
	48/60 V DC, 48 V AC	LV847451
	100/130 V AC/DC	LV847452
	200/250 V AC/DC	LV847453
	277 V AC	LV847454
DC	380/480 V AC	LV847455

MN delay unit



		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48/60 V AC/DC		LV833680SP
	100/130 V AC/DC	LV833684SP	LV833681SP
DC	200/250 V AC/DC	LV833685SP	LV833682SP
	380/480 V AC/DC		LV833683SP

[1] No compatible with any version of MN coils.

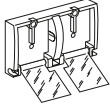
Order your breaker

Accessories for MTZ1 06 to MTZ1 16
fixed or drawout circuit breakers

Circuit breaker locking

Pushbutton locking device

DB117658.eps



By padlocks

LV833897

OFF position locking

DB424648.eps

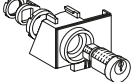


By padlocks + BPFE support

VCPO

LV847514

DB117101.eps



By Profalux keylocks

Profalux

1 lock with 1 key + adaptation kit

LV847519

2 locks 1 key + adaptation kit

LV847520

By Ronis keylocks

Ronis

1 lock with 1 key + adaptation kit

LV847521

2 locks 1 key + adaptation kit

LV847522

Adaptation kit

adaptation kit Profalux / Ronis

LV847515SP

(without keylock):

adaptation kit Kirk

LV847517SP

adaptation kit Castell

LV847518SP

Cable-type door interlock

DB117091.eps



1 complete assembly for Masterpact MTZ1 fixed devices

LV833920SP

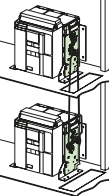
1 complete assembly for Masterpact MTZ1 drawout devices

LV833921SP

Mechanical interlocking for source changeover

Interlocking using connecting rods

DB421418.eps



Complete assembly with 2 adaptation fixtures + rods

2 Masterpact MTZ1 fixed devices

LV833203SP

2 Masterpact MTZ1 drawout devices

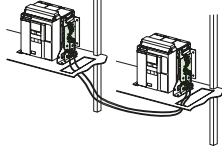
LV833204SP

1 set of 2 interlocking rods

LV833210SP

Interlocking using cables [1]

DB421419.eps



Choose 2 adaptation fixtures (1 for each breaker) + 1 set of cables

1 adaptation fixture for Masterpact MTZ1 fixed devices

LV833200SP

1 adaptation fixture for Masterpact MTZ1 drawout devices

LV833201SP

1 set of 2 cables

LV833209SP

[1] Can be used with any combination of MTZ, fixed or drawout devices.

Other circuit breaker accessories

Mechanical operation counter

DB117607.eps

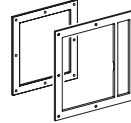


Operation counter CDM

LV833895

Escutcheon and accessories

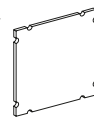
DB421420.eps



DB117655.eps



DB117653.eps



Escutcheon

Fixed

LV833718SP

Drawout

Transparent cover (IP54)

LV833857SP

Escutcheon blanking plate

LV833859SP

LV833858SP

Escutcheon

Cover


Blanking plate

Accessories for MTZ1 06 to MTZ1 16 fixed or drawout circuit breakers

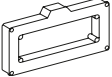
Accessories for Micrologic control units

External sensors

External sensor for earth-leakage protection (TCE)

DB421348.ai 	Sensor rating 400/1600 A	LV833576SP
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Rectangular sensor for earth-leakage protection

DB421430.eps 	280 mm x 115 mm	LV833573SP
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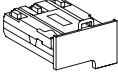
Source ground return (SGR) earth fault protection

DB421429.eps 	External sensor (SGR)	LV833579SP
	MDGF summing module	LV848891SP

Voltage measurement input (for breakers supplied via bottom terminals)

DB424887.eps 	Voltage measurement input	Fixed	LV847506
		Drawout	LV847507

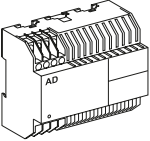
Voltage power supply module (VPS) for Micrologic X

DB421408.eps 		LV850060
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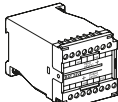
Zone Selective Interlocking option for Micrologic X

ZSI	Standard
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External power supply module (AD)


DB117082.eps 	24/30 V DC	54440
	48/60 V DC	54441
	100/125 V DC	54442
	110/130 V AC	54443
	200/240 V AC	54444
	380/415 V AC	54445

Battery module (BAT)


DB424426.eps 	1 battery 24 V	54446
	RIM (restraint interface module)	LV848892SP

Test & Commissioning equipment

USB Cable (miniUSB/USB) for Micrologic X

DB421409.eps 		LV850067SP
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Mobile Power Pack for Micrologic X (by APC)

DB421410.eps 		LV850055SP
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Special settings

To be specified when ordering

Sensors rating	MTZ1 06	MTZ1 08	MTZ1 10	MTZ1 12	MTZ1 16
400	■	■	■		
630		■	■	■	
800			■	■	■
1000				■	■
1250					■
1600					

Order your breaker

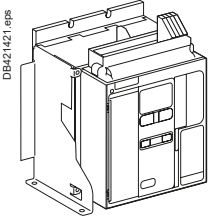
MTZ1 06 to MTZ1 16 fixed switch-disconnectors

Switch-disconnectors

A Masterpact fixed switch-disconnector is described by 3 catalogue numbers corresponding to:

- the basic switch-disconnector
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector

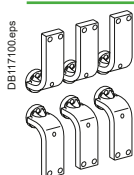
Type HA			3P	4P
	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)		
MTZ1 06	630	60	LV847159	LV847160
MTZ1 08	800	60	LV847161	LV847162
MTZ1 10	1000	60	LV847163	LV847164
MTZ1 12	1250	60	LV847165	LV847166
MTZ1 16	1600	60	LV847167	LV847168

Auxiliaries and accessories:
 for fixed devices: see [page I-16](#).
 for fixed or drawout devices: see [page I-16](#).
 Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 fixed switch-disconnectors

Connections

Front connection

	630-1600 A	Top	3P LV847328	4P LV847330
		Bottom	LV847329	LV847331

Front connection accessories

Vertical connection adapters 630-1600 A

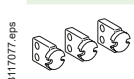
	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Interphase barriers

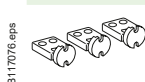
	3P/4P top (3 parts)	LV833648SP
	3P/4P bottom (3 parts)	LV833648SP

Rear connection

Vertical connection

	630-1600 A	Top	3P LV833604	4P LV833614
		Bottom	LV833605	LV833615

Horizontal connection

	630-1600 A	Top	3P LV833606	4P LV833616
		Bottom	LV833607	LV833617


Rear connection accessories

Interphase barriers

	3P/4P top (3 parts)	LV833648SP
	3P/4P bottom (3 parts)	LV833648SP

Common accessories for front and rear connection


Spreaders

	630-1600 A	3P	LV833622SP
		4P	LV833623SP
For front and horizontal rear connection			

Cable lug adapters 630-1600 A

	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

Cable lug kits

	240 mm ²	3P (6 lug kit)	LV833013SP
		4P (8 lug kit)	LV833014SP
	300 mm ²	3P (6 lug kit)	LV833015SP
		4P (8 lug kit)	LV833016SP

Order your breaker

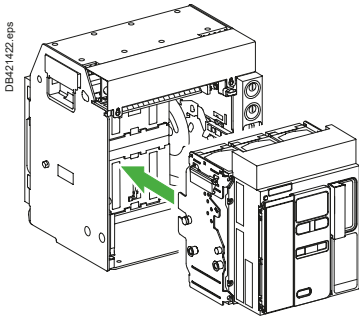
MTZ1 06 to MTZ1 16 drawout switch-disconnectors

Switch-disconnectors

A Masterpact drawout switch-disconnector is described by 4 catalogue numbers corresponding to:

- the basic switch-disconnector
- a chassis
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector

Type HA			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ1 06	630	75	LV847248	LV847249
MTZ1 08	800	75	LV847250	LV847251
MTZ1 10	1000	75	LV847252	LV847253
MTZ1 12	1250	75	LV847254	LV847255
MTZ1 16	1600	75	LV847256	LV847257

Chassis

	3P	4P
630/1250 A	LV833722	LV833725
1600 A	LV833723	LV833726

Auxiliaries and accessories:

for fixed devices: see [page I-13](#)

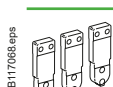
for fixed or drawout devices: see [page I-16](#).

Source changeover assembly: see [page I-16](#).

MTZ1 06 to MTZ1 16 drawout switch-disconnectors

Connections

Chassis front connection

	630-1600 A	Top	3P LV833727	4P LV833733
		Bottom	LV833728	LV833734

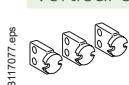
Front connection accessories

Vertical connection adapters 630-1600 A

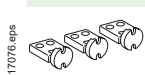
	3P (3 parts)	LV833642SP
	4P (4 parts)	LV833643SP

Chassis rear connection

Vertical connection

	630-1600 A	Top	3P LV833729	4P LV833735
		Bottom	LV833730	LV833736

Horizontal connection

	630-1600 A	Top	3P LV833731	4P LV833737
		Bottom	LV833732	LV833738

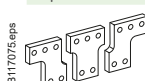
Rear connection accessories

Interphase barriers ^[1]

	3P/4P (3 parts)	LV833768SP
	[1] The same kit covers the top and the bottom connections on the same time.	

Common accessories for front and rear connection


Spreaders

	630-1600 A	3P	LV833622SP
		4P	LV833623SP
For front and horizontal rear connection			

Cable lug adapters 630-1600 A

	3P (3 parts)	LV833644SP
	4P (4 parts)	LV833645SP

Cable lug kits

	240 mm ²	3P (6 lug kit)	LV833013SP
		4P (8 lug kit)	LV833014SP
	300 mm ²	3P (6 lug kit)	LV833015SP
		4P (8 lug kit)	LV833016SP

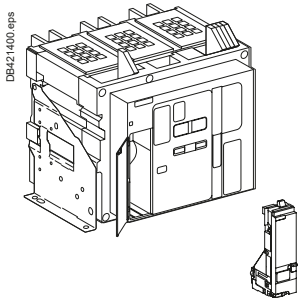
MTZ2 08 to MTZ3 63 fixed circuit breakers

Circuit breakers

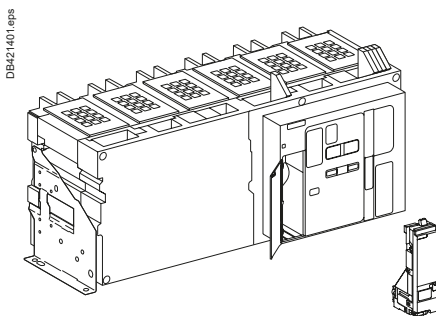
A Masterpact fixed circuit breaker is described by 4 catalogue numbers corresponding to:

- the basic circuit breaker
- a control unit
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker ≤ 4000 A.



Basic circuit breaker ≥ 4000 A.

Basic circuit breaker

Type N1		3P	4P	
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu				
MTZ2 08	800	42	LV848000	LV848007
MTZ2 10	1000	42	LV848014	LV848021
MTZ2 12	1250	42	LV848028	LV848035
MTZ2 16	1600	42	LV848042	LV848049
MTZ2 20	2000	42	LV848056	LV848063
Type H1		3P	4P	
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu				
MTZ2 08	800	66	LV848001	LV848008
MTZ2 10	1000	66	LV848015	LV848022
MTZ2 12	1250	66	LV848029	LV848036
MTZ2 16	1600	66	LV848043	LV848050
MTZ2 20	2000	66	LV848057	LV848064
MTZ2 25	2500	66	LV848070	LV848076
MTZ2 32	3200	66	LV848082	LV848087
MTZ2 40	4000	66	LV848092	LV848097
MTZ3 40	4000	100	LV848106	LV848109
MTZ3 50	5000	100	LV848112	LV848115
MTZ3 63	6300	100	LV848118	LV848121
Type H2		3P	4P	
In (A at 40 °C) Icu (kA for U = 220/440 V) - Ics = 100 % Icu				
MTZ2 08	800	100	LV848002	LV848009
MTZ2 10	1000	100	LV848016	LV848023
MTZ2 12	1250	100	LV848030	LV848037
MTZ2 16	1600	100	LV848044	LV848051
MTZ2 20	2000	100	LV848058	LV848065
MTZ2 25	2500	100	LV848071	LV848077
MTZ2 32	3200	100	LV848083	LV848088
MTZ2 40	4000	100	LV848093	LV848098
MTZ3 40	4000	150	LV848107	LV848110
MTZ3 50	5000	150	LV848113	LV848116
MTZ3 63	6300	150	LV848119	LV848122
Option				
Neutral on the right		[1]		
Micrologic X control unit				
"Class1 IEC 61557-12 certified power meter"				
			3P/4P	
Micrologic 2.0 X	basic protection		LV847280	
Micrologic 5.0 X	selective protection		LV847283	
Micrologic 6.0 X	selective + earth-fault protection		LV847288	
Micrologic 7.0 X [2]	selective + earth-leakage protection		LV847287	
Digital modules option				
			3P/4P	
Energy per phase			LV850002	
Power restoration assistant			LV850004	
Masterpact operation assistant			LV850005	
Waveform capture on trip event			LV850003	
Communication option				
ULP port			LV850061	
IFE	Ethernet interface for LV breaker		LV434001	
	Ethernet interface for LV breakers and gateway		LV434002	
I/O application module			LV434063	

[1] Select a 4P basic circuit breaker with neutral on the right page I-38.

All other catalogue numbers are unchanged.

[2] Only for breaker up to 3200A

Auxiliaries and accessories:

for fixed devices: see page I-32.

for fixed or drawout devices: see page I-32.

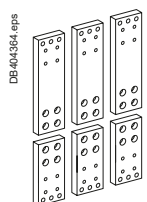
Switch-disconnector version: see page I-34.

Source changeover assembly: see page I-32.

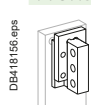
MTZ2 08 to MTZ3 63 fixed circuit breakers

Connections

Front connection

	800-1600 A	Top	3P	LV848128	4P	LV848153
		Bottom		LV848130		LV848155
	2000 A	Top		LV848124		LV848126
		Bottom		LV848125		LV848127
	2500/3200 A	Top		LV848129		LV848154
		Bottom		LV848131		LV848156

Front connection accessories

	Disconnectable front connection					
	1600 A		3P	LV848421SP	4P	LV848424SP
		2000/3200 A			LV848422SP	

Rear connection

Vertical connection

	800-2000 A	Top	3P	LV848133	4P	LV848158
		Bottom		LV848138		LV848163
	800-1600 A type L1	Top		LV848134		LV848159
		Bottom		LV848139		LV848164
	2500/3200 A	Top		LV848135		LV848160
		Bottom		LV848140		LV848165
	2000 A types H3/L1	Top		LV848136		LV848161
		Bottom		LV848141		LV848166
	4000 A	Top		LV848137		LV848162
		Bottom		LV848142		LV848167
	4000/5000 A	Top		LV848143		LV848168
		Bottom		LV848148		LV848173
6300 A	Top		LV848144		LV848169	
	Bottom		LV848149		LV848174	

Horizontal connection

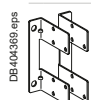
	800-2000 A	Top	3P	LV848143	4P	LV848168
		Bottom		LV848148		LV848173
	800-1600 A type L1	Top		LV848144		LV848169
		Bottom		LV848149		LV848174
	2500/3200 A	Top		LV848145		LV848170
		Bottom		LV848150		LV848175
	2000 A types H3/L1	Top		LV848146		LV848171
		Bottom		LV848151		LV848176
	4000 A	Top		LV848146		LV848171
		Bottom		LV848151		LV848176
4000/5000 A	Top		LV848146		LV848171	
	Bottom		LV848151		LV848176	

Rear connection accessories

Interphase barriers ^[1]

	3P/4P (3 parts)			LV848599SP
	[1] The same kit covers the top and the bottom connections on the same time.			

Brackets for mounting on a backplate

	2 parts			LV847829
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Grounding kit

Grounding kit for Masterpact MTZ2/MTZ3 fixed				LV848558
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Order your breaker

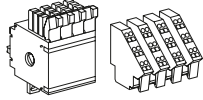
MTZ2 08 to MTZ3 63 fixed circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

DB404314.eps

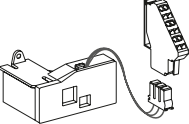


Block of 4 changeover contacts (6 A - 240 V)
1 additional block of 4 contacts (2 max.)

1 block (standard)
LV848198

"Fault trip" indication contacts (SDE)

DB424651.eps

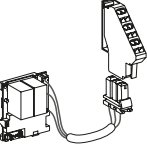


Changeover contact (6 A - 240 V)
1 additional SDE (6 A - 240 V)
1 additional low-level SDE

1 (standard)
LV848200
LV848201

Programmable contacts (programmed via Micrologic X control unit)

DB424652.eps



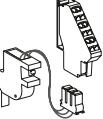
2 contacts M2C (5 A - 240 V)

LV847403

Remote operation

"Ready to close" contact (1 max.)

DB424653.eps



1 changeover contact (5 A - 240 V)
1 low-level changeover contact

PF
LV847342
LV847343

Electrical closing pushbutton

DB424640.eps

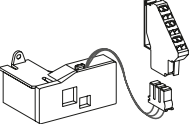


1 pushbutton

BPFE
LV848534

Remote reset after fault trip

DB424651.eps



Electrical reset
100/130 V AC
200/240 V AC
Automatic reset
Adaptation

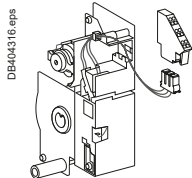
RES
LV848202
LV848203
RAR
LV847346

MTZ2 08 to MTZ3 63 fixed circuit breakers

Remote operation

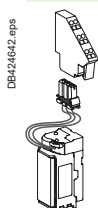
Remote ON/OFF

Gear motor



		MCH
AC 50/60 Hz	48 V	LV848207
	100/130 V	LV848211
	200/240 V	LV848212
	250/277 V	LV848213
	380/415 V	LV848214
	440/480 V	LV848215
DC	24/30 V	LV848206
	48/60 V	LV848207
	100/130 V	LV848208
	200/250 V	LV848209

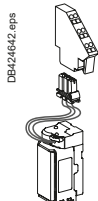
Instantaneous voltage releases



		Closing release	Opening release	
Standard		XF	MX	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847350	LV847360	
	DC	48/60 V DC, 48 V AC	LV847351	LV847361
		100/130 V AC/DC	LV847352	LV847362
	200/250 V AC/DC	LV847353	LV847363	
	277 V AC	LV847354	LV847364	
	380/480 V AC	LV847355	LV847365	
Diagnostics & Communicating		XF diag & com	MX diag & com	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847311	LV847321	
	DC	48/60 V DC, 48 V AC	LV847312	LV847322
		100/130 V AC/DC	LV847313	LV847323
	200/250 V AC/DC	LV847314	LV847324	
	277 V AC	LV847315	LV847325	
	380/480 V AC	LV847316	LV847326	
Standard		Opening release	MN	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847380		
	DC	48/60 V DC, 48 V AC	LV847381	
		100/130 V AC/DC	LV847382	
	200/250 V AC/DC	LV847383		
	380/480 V AC	LV847385		
Diagnostic		MN diag		
AC 50/60 Hz	24/30 V DC, 24 V AC	LV836700		
	DC	48/60 V DC, 48 V AC	LV836701	
		100/130 V AC/DC	LV836702	
	200/250 V AC/DC	LV836703		
380/480 V AC	LV836704			

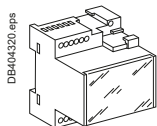
Remote tripping

Instantaneous voltage release



		2 nd MX	
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847370	
	DC	48/60 V DC, 48 V AC	LV847371
		100/130 V AC/DC	LV847372
	200/250 V AC/DC	LV847373	
	277 V AC	LV847374	
	380/480 V AC	LV847375	

Retardateur MN



		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48/60 V AC/DC		LV833680SP
	DC	100/130 V AC/DC	LV833681SP
		200/250 V AC/DC	LV833682SP
	380/480 V AC/DC	LV833685SP	LV833683SP

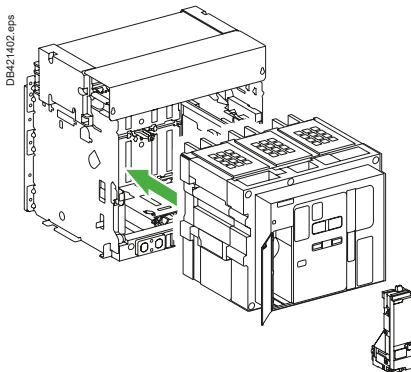
MTZ2 08 to MTZ3 63 drawout circuit breakers

Circuit breakers

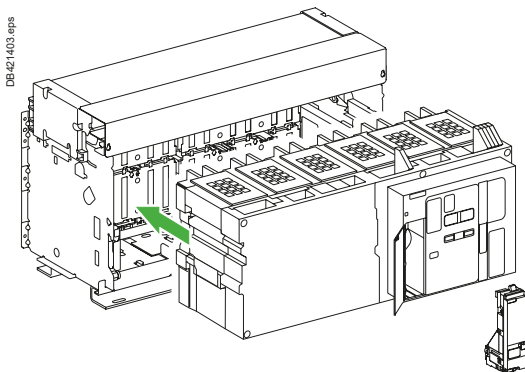
A Masterpact drawout circuit breaker is described by 5 catalogue numbers corresponding to:

- the basic circuit breaker
- a control unit
- a chassis
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker + chassis ≤ 4000 A



Basic circuit breaker + chassis ≥ 4000 A

Basic circuit breaker

Type N1	3P		4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	42	LV848230	LV848237
MTZ2 10	1000	42	LV848244	LV848251
MTZ2 12	1250	42	LV848258	LV848265
MTZ2 16	1600	42	LV848272	LV848279
MTZ2 20	2000	42	LV848286	LV848293

Type H1	3P		4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	66	LV848231	LV848238
MTZ2 10	1000	66	LV848245	LV848252
MTZ2 12	1250	66	LV848259	LV848266
MTZ2 16	1600	66	LV848273	LV848280
MTZ2 20	2000	66	LV848287	LV848294
MTZ2 25	2500	66	LV848300	LV848306
MTZ2 32	3200	66	LV848312	LV848317
MTZ2 40	4000	66	LV848322	LV848327
MTZ3 40	4000	100	LV848336	LV848339
MTZ3 50	5000	100	LV848342	LV848345
MTZ3 63	6300	100	LV848348	LV848351

Type H2	3P		4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	100	LV848232	LV848239
MTZ2 10	1000	100	LV848246	LV848253
MTZ2 12	1250	100	LV848260	LV848267
MTZ2 16	1600	100	LV848274	LV848281
MTZ2 20	2000	100	LV848288	LV848295
MTZ2 25	2500	100	LV848301	LV848307
MTZ2 32	3200	100	LV848313	LV848318
MTZ2 40	4000	100	LV848323	LV848328
MTZ3 40	4000	150	LV848337	LV848340
MTZ3 50	5000	150	LV848343	LV848346
MTZ3 63	6300	150	LV848349	LV848352

Type H3	3P		4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 20	2000	150	LV848289	LV848296
MTZ2 25	2500	150	LV848302	LV848308
MTZ2 32	3200	150	LV848314	LV848319
MTZ2 40	4000	150	LV848324	LV848329

Type L1	3P		4P	
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu		
MTZ2 08	800	150	LV848233	LV848240
MTZ2 10	1000	150	LV848247	LV848254
MTZ2 12	1250	150	LV848261	LV848268
MTZ2 16	1600	150	LV848275	LV848282
MTZ2 20	2000	150	LV848290	LV848297

Option	
Neutral on the right	[1]

Micrologic X control unit

"Class1 IEC 61557-12 certified power meter"		
		3P/4P
Micrologic 2.0 X	basic protection	LV848498
Micrologic 5.0 X	selective protection	LV848499
Micrologic 6.0 X	selective + earth-fault protection	LV848500
Micrologic 7.0 X ^[2]	selective + earth-leakage protection	LV848362

Digital modules option

	3P/4P
Energy per phase	LV850002
Power restoration assistant	LV850004
Masterpact operation assistant	LV850005
Waveform capture on trip event	LV850003

Grounding kit

Grounding kit for Masterpact MTZ2/MTZ3 drawout	LV848559
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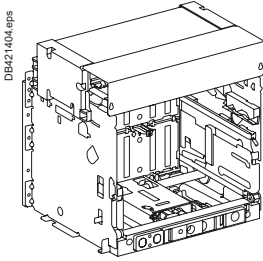
[1] Select a 4P basic circuit breaker with neutral on the right page I-38.

All other catalogue numbers are unchanged.

[2] Only for breaker up to 3200 A.

MTZ2 08 to MTZ3 63 drawout circuit breakers

Chassis and connections



Chassis ≤ 4000 A

Auxiliaries and accessories:

- for drawout devices: see [page I-28](#)
- for fixed or drawout devices: see [page I-32](#).
- Switch-disconnector version: see [page I-34](#).
- Source changeover assembly: see [page I-32](#).

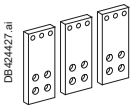
Chassis

	3P	4P
For type N1/H1		
800-1600 A	LV848392	LV848404
For type H2		
800-1600 A	LV848393	LV848405
For type N1/H1/H2		
2000 A	LV848393	LV848405
2500 A	LV848394	LV848406
3200 A	LV848395	LV848407
4000 A	LV848396	LV848408
4000/6300 A	LV848397	LV848409
For type H3		
2000/2500 A	LV848394	LV848406
3200 A	LV848395	LV848407
4000 A	LV848396	LV848408
For type L1		
800/1600 A	LV848399	LV848411
2000 A	LV848400	LV848412

Ethernet communication option

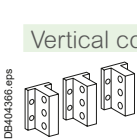
	Chassis +	Circuit breaker (ULP)
ULP port	Standard	Standard
EIFE Embedded Ethernet interface for LV breaker	LV851200	
IFE Ethernet interface for LV breaker	LV434001	
	LV434002	
Ethernet interface for LV breakers and gateway	LV434002	
I/O application module	LV434063	

Chassis front connection



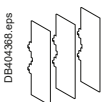
		3P	4P
800-1600 A	Top	LV848415	LV848441
	Bottom	LV848418	LV848444
2000 A	Top	LV848413	LV848417
	Bottom	LV848414	LV848420
2500/3200 A	Top	LV848416	LV848442
	Bottom	LV848419	LV848445

Chassis rear connection



		3P	4P
Vertical connection			
800-2000 A	Top	LV848133	LV848158
	Bottom	LV848138	LV848163
800-1600 A type L1	Top	LV848134	LV848159
	Bottom	LV848139	LV848164
2500/3200 A	Top	LV848135	LV848160
	Bottom	LV848140	LV848165
2000 A types H3/L1	Top	LV848136	LV848161
	Bottom	LV848141	LV848166
4000 A	Top	LV848137	LV848162
	Bottom	LV848142	LV848167
4000/5000 A (MTZ3)	Top	LV848143	LV848168
	Bottom	LV848148	LV848173
6300 A (MTZ3)	Top	LV848144	LV848169
	Bottom	LV848149	LV848174
4000 A	Top	LV848145	LV848170
	Bottom	LV848150	LV848175
4000/5000 A	Top	LV848146	LV848171
	Bottom	LV848151	LV848176
Horizontal connection			
800-2000 A	Top	LV848143	LV848168
	Bottom	LV848148	LV848173
800-1600 A type L1	Top	LV848144	LV848169
	Bottom	LV848149	LV848174
2500/3200 A	Top	LV848145	LV848170
	Bottom	LV848150	LV848175
2000 A types H3/L1	Top	LV848146	LV848171
	Bottom	LV848151	LV848176
4000 A	Top	LV848147	LV848172
	Bottom	LV848152	LV848177
4000/5000 A	Top	LV848148	LV848173
	Bottom	LV848153	LV848178

Rear connection accessories



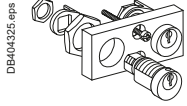
Interphase barriers ^[1]		
3P/4P (3 parts)	LV848600SP	
[1] The same kit covers the top and the bottom connections on the same time.		

MTZ2 08 to MTZ3 63 drawout circuit breakers

Chassis locking and accessories

Chassis locking

"Disconnected" position locking



By padlocks

VCPO

Standard

By Profalux keylocks

Profalux

1 lock with 1 key + adaptation kit

LV848568

2 locks 1 key + adaptation kit

LV848569

2 locks 2 different keys + adaptation kit

LV848570

By Ronis keylocks

Ronis

1 lock with 1 key + adaptation kit

LV848572

2 locks 1 key + adaptation kit

LV848573

2 locks 2 different keys + adaptation kit

LV848574

Optional disconnected/test/connected position locking

LV833779

Adaptation kit

adaptation kit Profalux / Ronis

LV848564SP

(without keylock):

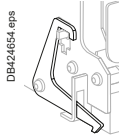
adaptation kit Kirk

LV848565SP

adaptation kit Castell

LV848566SP

Door interlock (1 part)



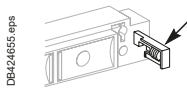
Right-hand side of chassis

LV848579

Left-hand side of chassis

LV848580

Racking interlock



1 part

LV848582

Racking interlock between crank and OFF pushbutton

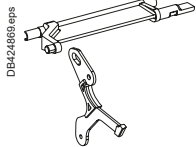
1 part

LV848585

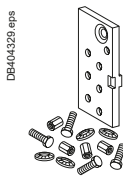
Automatic spring discharge before breaker removal

1 part

LV848554



Breaker mismatch protection



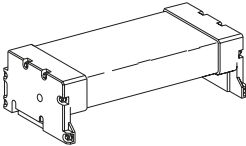
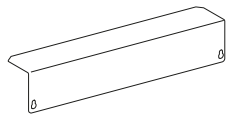
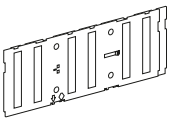

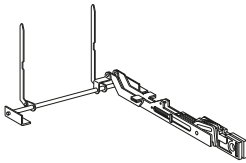
Breaker mismatch protection VDC

LV833767SP

MTZ2 08 to MTZ3 63 drawout circuit breakers

Chassis locking and accessories

Chassis accessories

Arc chute cover			
		3P/4P	Standard
Auxiliary terminal shield (CB)			
	800/4000 A	3P	LV848595
		4P	LV848596
	4000/6300 A	3P	LV848597
		4P	LV848598
Safety shutters + locking block			
	800/4000 A	3P	Standard
		4P	Standard
	4000/6300 A	3P	Standard
		4P	Standard
Shutter locking block (for replacement)			
	2 parts for 800/4000 A		LV848591SP
Front face shutter position indication and locking			
	800/4000 A	3P/4P	LV848592
	4000/6300 A	3P	LV848593
		4P	LV848594

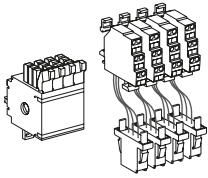
MTZ2 08 to MTZ3 63 drawout circuit breakers

Indication contacts and remote operation

Indication contacts

ON/OFF indication contacts (OF)

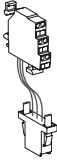
DB404321.eps



Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)
1 additional block of 4 contacts (2 max.)	LV848468

Combined closed / connected contacts for use with 1 auxiliary contact

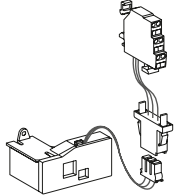
DB404322.eps



1 contact (5 A - 240 V) (8 max.)	LV848477
or 1 low-level contact (8 max.)	LV848478

"Fault trip" indication contacts (SDE)

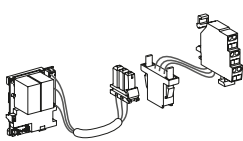
DB404323.eps



Changeover contact (6 A - 240 V)	1 (standard)
1 additional SDE (6 A - 240 V)	LV848475
or 1 additional low-level SDE	LV848476

Programmable contacts (programmed via Micrologic X control unit)

DB424657.eps



2 contacts M2C (5 A - 240 V)	LV848382
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Carriage switches (connected / disconnected / test position)

DB404324.eps



Changeover contacts (8 A - 240 V)	
1 connected position contact (3 max.)	LV833751
1 test position contact (3 max.)	LV833752
1 disconnected position contact (3 max.)	LV833753
and/or low-level changeover contacts	
1 connected position contact (3 max.)	LV833754
1 test position contact (3 max.)	LV833755
1 disconnected position contact (3 max.)	LV833756
Actuator for additional carriage switches	LV848560

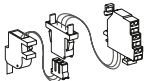
Auxiliary terminals for chassis alone

3 wire terminal (30 parts)	LV847898SP
6 wire terminal (10 parts)	LV847899SP
Jumpers (10 parts)	LV847900SP

Remote operation

"Ready to close" contact (1 max.)

DB404379.eps



1 changeover contact (5 A - 240 V)	PF
1 low-level changeover contact	LV848469
	LV848470

Electrical closing pushbutton

DB424640.eps



1 pushbutton	BPFE
	LV848534

Remote reset after fault trip

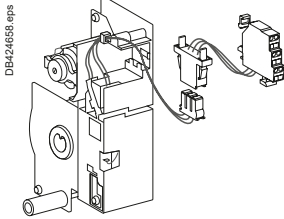
Electrical reset	RES
100/130 V AC	LV848472
200/240 V AC	LV848473
Automatic reset	RAR
Adaptation	LV847346

MTZ2 08 to MTZ3 63 drawout circuit breakers

Remote operation

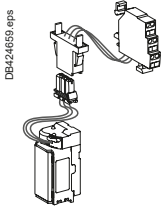
Remote ON/OFF

Gear motor



		MCH
AC 50/60 Hz	48 V	LV848522
	100/130 V	LV848526
	200/240 V	LV848527
	250/277 V	LV848528
	380/415 V	LV848529
	440/480 V	LV848530
DC	24/30 V	LV848521
	48/60 V	LV848522
	100/130 V	LV848523
	200/250 V	LV848524

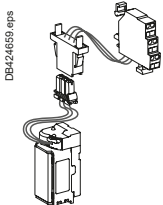
Instantaneous voltage releases



		Closing release	Opening release	
Standard	AC 50/60 Hz	XF	MX	
		LV848481	LV848491	
	DC	48/60 V DC, 48 V AC	LV848482	LV848492
		100/130 V AC/DC	LV848483	LV848493
		200/250 V AC/DC	LV848484	LV848494
		277 V AC	LV848485	LV848495
		380/480 V AC	LV848486	LV848496
Diagnostic & Communicating	AC 50/60 Hz	XF diag & com	MX diag & com	
		LV848449	LV848458	
	DC	48/60 V DC, 48 V AC	LV848450	LV848459
		100/130 V AC/DC	LV848451	LV848460
		200/250 V AC/DC	LV848452	LV848461
		277 V AC	LV848453	LV848462
		380/480 V AC	LV848454	LV848463
Standard	AC 50/60 Hz	Opening release		
		MN		
	DC	24/30 V DC, 24 V AC	LV848501	
		48/60 V DC, 48 V AC	LV848502	
		100/130 V AC/DC	LV848503	
200/250 V AC/DC	LV848504			
380/480 V AC	LV848506			
Diagnostic	AC 50/60 Hz	MN diag		
		LV836705		
	DC	48/60 V DC, 48 V AC	LV836706	
		100/130 V AC/DC	LV836707	
		200/250 V AC/DC	LV836708	
380/480 V AC	LV836709			

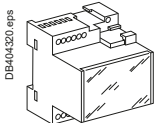
Remote tripping

Instantaneous voltage release



		2 nd MX
AC 50/60 Hz	24/30 V DC, 24 V AC	LV848511
	48/60 V DC, 48 V AC	LV848512
DC	100/130 V AC/DC	LV848513
	200/250 V AC/DC	LV848514
	277 V AC	LV848515
	380/480 V AC	LV848516

MN delay unit



		R (non-adjustable)	Rr (adjustable)
AC 50/60 Hz	48/60 V AC/DC		LV833680SP
	100/130 V AC/DC	LV833684SP	LV833681SP
DC	200/250 V AC/DC	LV833685SP	LV833682SP
	380/480 V AC/DC		LV833683SP

Accessories for MTZ2 08 to MTZ3 63 fixed and drawout circuit breakers

Circuit breaker locking

Pushbutton locking device

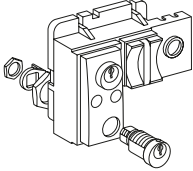
DB404337.eps



By padlocks	LV848536
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OFF position locking

DB404338.eps



By padlocks	VCPO	LV848539
By Profalux keylocks		
Profalux	1 lock with 1 key + adaptation kit	LV848545
	2 locks 1 key + adaptation kit	LV848546
	2 locks 2 different keys + adaptation kit	LV848547
By Ronis keylocks		
Ronis	1 lock with 1 key + adaptation kit	LV848549
	2 locks 1 key + adaptation kit	LV848550
	2 locks 2 different keys + adaptation kit	LV848551
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV848541SP
	adaptation kit Kirk	LV848542SP
	adaptation kit Castell	LV848543SP

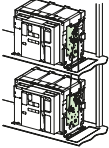
Cable-type door interlock

1 complete assembly for Masterpact MTZ2/MTZ3 fixed or drawout device	LV848614SP
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Mechanical interlocking for source changeover

Interlocking of 2 devices using connecting rods

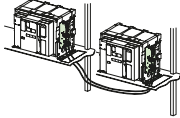
DB421405.eps



Complete assembly with 2 adaptation fixtures + rods	
1 set of 2 adaptation fixtures for Masterpact MTZ2 or MTZ3 fixed or drawout device	LV847930SP
1 set of 2 interlocking rods	LV833210SP
Note: Can be used with 1 MTZ2/3 fixed + 1 MTZ2/3 drawout.	

Interlocking of 2 devices using cables ^[1]

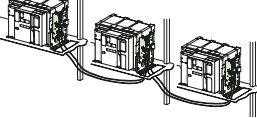
DB421406.eps



Choose 2 adaptation fixtures (1 for each device) + 1 set of cables	
1 adaptation fixture for Masterpact MTZ2/3 fixed devices	LV847926SP
1 adaptation fixture for Masterpact MTZ2/3 drawout devices	LV847926SP
1 set of 2 cables of 2.5 m	LV833209SP
[1] Can be used with any combination of MTZ, fixed or drawout devices.	

Interlocking of 3 devices using cables

DB421407.eps



Choose 1 interlocking kit (including 3 adaptation fixtures + cables)	
3 sources, only 1 device closed, fixed or drawout devices	LV848610SP
2 sources + 1 coupling, fixed or drawout devices	LV848609SP
2 normal + 1 replacement source, fixed or drawout devices	LV848608SP

Other circuit breaker accessories

Mechanical operation counter

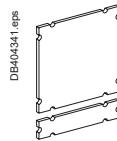
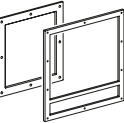
DB125517.eps



Operation counter CDM	LV848535
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Escutcheon and accessories

DB404340.eps



	Fixed	Drawout
Escutcheon	LV848601SP	LV848603SP
Transparent cover IP54		LV848604SP
Escutcheon blanking plate	LV848605SP	LV848605SP

Escutcheon

Cover

Blanking plate



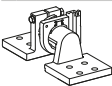
► For more informations see source-changeover systems catalogue, LVPED216028EN.

Accessories for MTZ2 08 to MTZ3 63 fixed and drawout circuit breakers


Accessories for Micrologic X control units

External sensors

External sensor for earth-fault protection (TCE)

	Sensor rating	400/2000 A	LV834035SP
		1000/4000 A	LV834036SP
		4000/6300 A (MTZ3)	LV848182SP
	Single sensor kit	2000/6300 A	LV848904SP
	3 layer bus	2000 A	LV848905SP

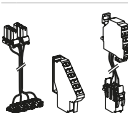
Rectangular sensor for earth-leakage protection

	470 mm x 160 mm	In max. 3200 A	LV833574SP
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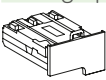
Source ground return (SGR) earth fault protection

	External sensor (SGR)	LV833579SP
	MDGF summing module	LV848891SP

Voltage measurement input (for breakers supplied via bottom terminals)

	Voltage measurement input	Fixed	LV847506
		Drawout	LV848533

Voltage power supply module (VPS) for Micrologic X

		LV850060
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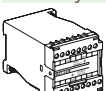
Zone Selective Interlocking option for Micrologic X

ZSI	Standard
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External power supply module (AD)

	24/30 V DC	54440
	48/60 V DC	54441
	100/125 V DC	54442
	110/130 V AC	54443
	200/240 V AC	54444
	380/415 V AC	54445

Battery module (BAT)


	1 battery 24 V	54446
	RIM (restraint interface module)	LV848892SP

Test and commissioning equipment

USB Cable (miniUSB/USB) for Micrologic X

		LV850067SP
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Mobile Powerpack for Micrologic X (by APC)

		LV850055SP
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Special settings

Sensor rating to be specified when ordering

Rating	MTZ2 08	MTZ2 10	MTZ2 12	MTZ2 16	MTZ2 20	MTZ2 25	MTZ2 32
400	■	■					
630	■	■	■				
800		■	■	■			
1000			■	■	■		
1250				■	■	■	
1600					■	■	■
2000						■	■
2500							■
3200							■
Rating	MTZ2 40	MTZ3 40	MTZ3 50	MTZ3 63			
2000	■	■					
2500	■	■	■				
3200	■	■	■	■			
4000			■	■			
5000				■			
6300							

Order your breaker

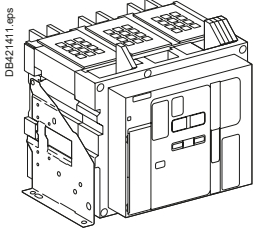
MTZ2 08 to MTZ3 63 fixed switch-disconnectors

Switch-disconnectors

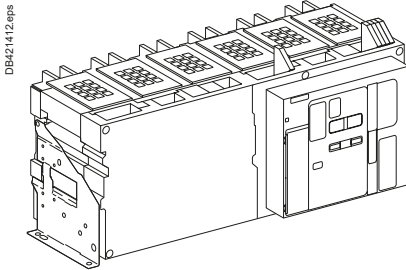
A Masterpact fixed switch-disconnector is described by 3 catalogue numbers corresponding to:

- the basic switch-disconnector
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector \leq 4000 A.



Basic switch-disconnector \geq 4000 A.

Basic switch-disconnector

Type NA				
		3P	4P	
	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)		
MTZ2 08	800	88	LV848004	LV848011
MTZ2 10	1000	88	LV848018	LV848025
MTZ2 12	1250	88	LV848032	LV848039
MTZ2 16	1600	88	LV848046	LV848053
Type HA				
		3P	4P	
	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)		
MTZ2 08	800	145	LV848005	LV848012
MTZ2 10	1000	145	LV848019	LV848026
MTZ2 12	1250	145	LV848033	LV848040
MTZ2 16	1600	145	LV848047	LV848054
MTZ2 20	2000	145	LV848061	LV848068
MTZ2 25	2500	145	LV848074	LV848080
MTZ2 32	3200	145	LV848085	LV848090
MTZ2 40	4000	145	LV848095	LV848100
MTZ3 40	4000	187	LV848108	LV848111
MTZ3 50	5000	187	LV848114	LV848117
MTZ3 63	6300	187	LV848120	LV848123

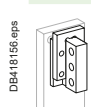
MTZ2 08 to MTZ3 63 fixed switch-disconnectors

Connections

Front connection

	800-1600 A	Top	3P	LV848128	4P	LV848153
		Bottom		LV848130		LV848155
	2000 A	Top		LV848124		LV848126
		Bottom		LV848125		LV848127
	2500-3200 A	Top		LV848129		LV848154
		Bottom		LV848131		LV848156

Front connection accessories

Disconnectable front connection						
			3P		4P	
	1600 A			LV848421SP		LV848424SP
	2000/3200 A			LV848422SP		LV848425SP

Rear connection

Vertical connection

	800-2000 A	Top	3P	LV848133	4P	LV848158
		Bottom		LV848138		LV848163
	2500-3200 A	Top		LV848134		LV848159
		Bottom		LV848139		LV848164
	4000 A	Top		LV848135		LV848160
		Bottom		LV848140		LV848165
	4000/5000 A	Top		LV848136		LV848161
		Bottom		LV848141		LV848166
	6300 A	Top		LV848137		LV848162
		Bottom		LV848142		LV848167

Horizontal connection

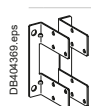
	800-2000 A	Top	3P	LV848143	4P	LV848168
		Bottom		LV848148		LV848173
	2500-3200 A	Top		LV848144		LV848169
		Bottom		LV848149		LV848174
	4000 A	Top		LV848145		LV848170
		Bottom		LV848150		LV848175
	4000/5000 A	Top		LV848146		LV848171
		Bottom		LV848151		LV848176

Rear connection accessories

Interphase barriers ^[1]

	3P/4P (3 parts)		LV848599SP	
	[1] The same kit covers the top and the bottom connections on the same time.			

Brackets for mounting on a backplate

	2 parts	LV847829
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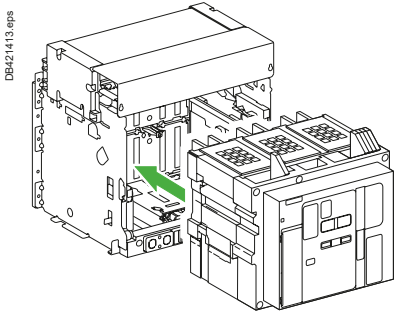
MTZ2 08 to MTZ3 63 drawout switch-disconnectors

Sitch-disconnectors

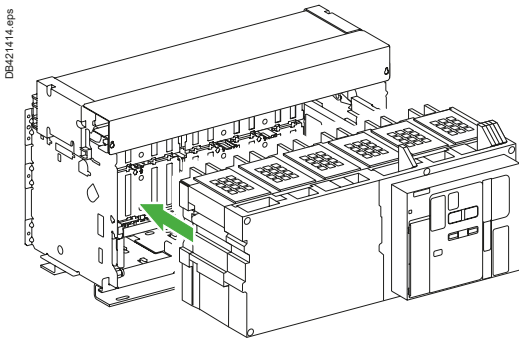
A Masterpact drawout switch-disconnector is described by 4 catalogue numbers corresponding to:

- the basic switch-disconnector
- a chassis
- a top connection
- a bottom connection.

Various auxiliaries and accessories may also be added.



Basic switch-disconnector + chassis ≤ 4000 A.



Basic switch-disconnector + chassis ≥ 4000 A.

Basic switch-disconnector

Type NA				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ2 08	800	88	LV848234	LV848241
MTZ2 10	1000	88	LV848248	LV848255
MTZ2 12	1250	88	LV848262	LV848269
MTZ2 16	1600	88	LV848276	LV848283
Type HA				
			3P	4P
In (A at 40 °C) Icm (kA peak for U = 220/690 V)				
MTZ2 08	800	145	LV848235	LV848242
MTZ2 10	1000	145	LV848249	LV848256
MTZ2 12	1250	145	LV848263	LV848270
MTZ2 16	1600	145	LV848277	LV848284
MTZ2 20	2000	145	LV848291	LV848298
MTZ2 25	2500	145	LV848304	LV848310
MTZ2 32	3200	145	LV848315	LV848320
MTZ2 40	4000	145	LV848325	LV848330
MTZ3 40	4000	187	LV848338	LV848341
MTZ3 50	5000	187	LV848344	LV848347
MTZ3 63	6300	187	LV848350	LV848353

Chassis

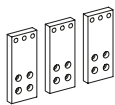
Type NA		
	3P	4P
1600 A	LV848392	LV848404
Type HA		
	3P	4P
800-1600 A	LV848392	LV848404
2000 A	LV848393	LV848405
2500 A	LV848394	LV848406
3200 A	LV848395	LV848407
4000 A	LV848396	LV848408
4000/6300 A (MTZ3)	LV848397	LV848409

MTZ2 08 to MTZ3 63 drawout switch-disconnectors

Connections

Chassis front connection

DB424653.eps

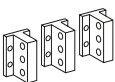


			3P	4P
800-1600 A	Top		LV848415	LV848441
	Bottom		LV848418	LV848444
2000 A	Top		LV848413	LV848417
	Bottom		LV848414	LV848420
2500/3200 A	Top		LV848416	LV848442
	Bottom		LV848419	LV848445

Chassis rear connection

Vertical connection

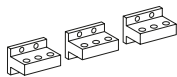
DB404386.eps



			3P	4P
800-2000 A	Top		LV848133	LV848158
	Bottom		LV848138	LV848163
2500/3200 A	Top		LV848134	LV848159
	Bottom		LV848139	LV848164
4000 A	Top		LV848135	LV848160
	Bottom		LV848140	LV848165
4000/5000 A	Top		LV848136	LV848161
	Bottom		LV848141	LV848166
6300 A	Top		LV848137	LV848162
	Bottom		LV848142	LV848167

Horizontal connection

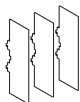
DB404387.eps



			3P	4P
800-2000 A	Top		LV848143	LV848168
	Bottom		LV848148	LV848173
2500/3200 A	Top		LV848144	LV848169
	Bottom		LV848149	LV848174
4000 A	Top		LV848145	LV848170
	Bottom		LV848150	LV848175
4000/5000 A	Top		LV848146	LV848171
	Bottom		LV848151	LV848176

Rear connection accessories

DB404388.eps



Interphase barriers ^[1]

3P/4P (3 parts)	LV848600SP
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[1] The same kit covers the top and the bottom connections on the same time.

MTZ2 08 to MTZ3 63 circuit breakers with neutral on the right

Circuit breakers

A 4 pole Masterpact circuit breaker with neutral on the right is described by the same catalogue numbers as a standard 4 pole one, except for the basic circuit breaker, which is specific.

Fixed circuit breakers with neutral on the right

Type H1			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	66	LV848183
MTZ2 10	1000	66	LV848184
MTZ2 12	1250	66	LV848185
MTZ2 16	1600	66	LV848186
MTZ2 20	2000	66	LV848060
MTZ2 25	2500	66	LV848073
MTZ2 32	3200	66	LV848187
MTZ2 40	4000	66	LV848193
MTZ3 40	4000	100	LV848194
MTZ3 50	5000	100	LV848195
MTZ3 63	6300	100	LV848196

Type H2			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	100	LV848177
MTZ2 10	1000	100	LV848178
MTZ2 12	1250	100	LV848179
MTZ2 16	1600	100	LV848180
MTZ2 20	2000	100	LV848067
MTZ2 25	2500	100	LV848079
MTZ2 32	3200	100	LV848181
MTZ2 40	4000	100	LV848102
MTZ3 40	4000	150	LV848103
MTZ3 50	5000	150	LV848104
MTZ3 63	6300	150	LV848105

Drawout circuit breakers with neutral on the right

Type H1			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	66	LV848226
MTZ2 10	1000	66	LV848227
MTZ2 12	1250	66	LV848228
MTZ2 16	1600	66	LV848229
MTZ2 20	2000	66	LV848436
MTZ2 25	2500	66	LV848303
MTZ2 32	3200	66	LV848437
MTZ2 40	4000	66	LV848332
MTZ3 40	4000	100	LV848333
MTZ3 50	5000	100	LV848334
MTZ3 63	6300	100	LV848335

Type H2			
	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 %	Icu
MTZ2 08	800	100	LV848426
MTZ2 10	1000	100	LV848427
MTZ2 12	1250	100	LV848428
MTZ2 16	1600	100	LV848429
MTZ2 20	2000	100	LV848438
MTZ2 25	2500	100	LV848309
MTZ2 32	3200	100	LV848439
MTZ2 40	4000	100	LV848354
MTZ3 40	4000	150	LV848355
MTZ3 50	5000	150	LV848356
MTZ3 63	6300	150	LV848357

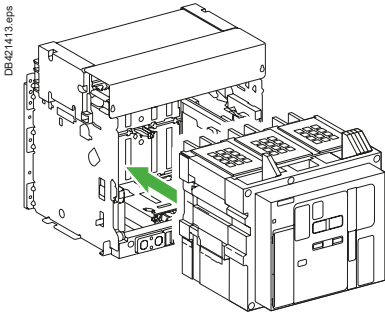
MTZ2 08 to MTZ2 40 - 1000 V AC

Drawout circuit breakers and switch-disconnectors

A Masterpact 1000 V AC drawout circuit breaker is described by 5 catalogue a corresponding to:

- the basic circuit breaker
- a control unit
- a chassis
- a top connection
- a bottom connection.

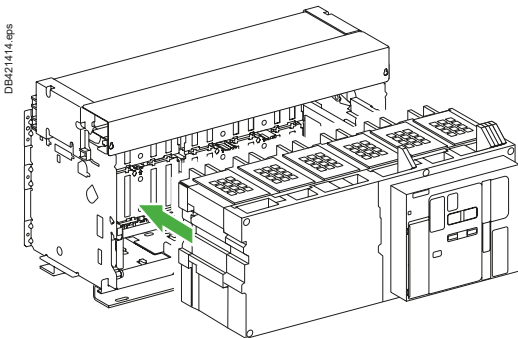
A communication option and various auxiliaries and accessories may also be added.



A Masterpact 1000 V AC drawout switch-disconnector is described by 4 catalogue numbers corresponding to:

- the basic switch-disconnector
- a chassis
- a top connection
- a bottom connection.

A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker

Type H10			3P	4P
	In (A at 40°C)	Icu (kA for U = 1150 V) - Ics = 100 % Icu		
MTZ2 08	800	50	LV848725	LV848735
MTZ2 10	1000	50	LV848726	LV848736
MTZ2 12	1250	50	LV848727	LV848737
MTZ2 16	1600	50	LV848728	LV848738
MTZ2 20	2000	50	LV848729	LV848739
MTZ2 25	2500	50	LV848730	LV848740
MTZ2 32	3200	50	LV848731	LV848741
MTZ2 40	4000	50	LV848732	LV848742

Micrologic X control unit

"Class1 IEC 61557-12 certified power meter"			3P/4P
Micrologic 2.0 X	basic protection		LV848498
Micrologic 5.0 X	selective protection		LV848499
Micrologic 6.0 X	selective + earth-fault protection		LV848500

Digital modules option

	3P/4P
Energy per phase	LV850002
Power restoration assistant	LV850004
Masterpact operation assistant	LV850005
Waveform capture on trip event	LV850003

Basic switch-disconnector

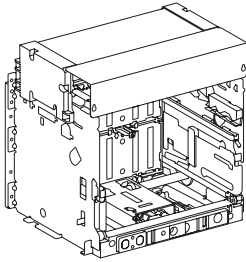
Type HA10			3P	4P
	In (A at 40°C)	Icm (kA peak for U = 1150 V)		
MTZ2 08	800	105	LV848745	LV848755
MTZ2 10	1000	105	LV848746	LV848756
MTZ2 12	1250	105	LV848747	LV848757
MTZ2 16	1600	105	LV848748	LV848758
MTZ2 20	2000	105	LV848749	LV848759
MTZ2 25	2500	105	LV848750	LV848760
MTZ2 32	3200	105	LV848751	LV848761
MTZ2 40	4000	105	LV848752	LV848762

MTZ2 08 to MTZ2 40 - 1000 V AC

Drawout circuit breakers and switch-disconnectors

Chassis and connections

DB421404.eps



Chassis

	3P	4P
For type H10 and HA10		
800-1600 A	LV848392	LV848404
2000 A	LV848393	LV848405
2500 A	LV848394	LV848406
3200 A	LV848395	LV848407
4000 A	LV848396	LV848408

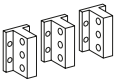
Communication option ^[1]

ULP port	Standard
EIFE Embedded Ethernet interface for LV breaker	LV851200
IFE Ethernet interface for LV breaker	LV434001
Ethernet interface for LV breakers and gateway	LV434002
I/O application module	LV434063

^[1] Only for circuit breaker, no available for switch-disconnector.

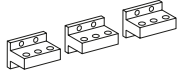
Chassis rear connection

DB404366.eps



Vertical connection			3P	4P
800-2000 A	Top	LV848133	LV848158	
	Bottom	LV848138	LV848163	
2500/3200 A	Top	LV848134	LV848159	
	Bottom	LV848139	LV848164	
4000 A	Top	LV848135	LV848160	
	Bottom	LV848140	LV848165	

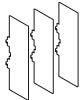
DB404387.eps



Horizontal connection			3P	4P
800-2000 A	Top	LV848143	LV848168	
	Bottom	LV848148	LV848173	
2500/3200 A	Top	LV848144	LV848169	
	Bottom	LV848149	LV848174	
4000 A	Top	LV848145	LV848170	
	Bottom	LV848150	LV848175	

Rear connection accessories

DB404388.eps



Interphase barriers ^[1]

3P/4P (3 parts)

LV848600SP

^[1] The same kit covers the top and the bottom connections on the same time.

Connection

		3P	4P		
Fixed circuit breakers					
Front connection / Replacement kit (3 or 4 parts)					
	Top or bottom	630-1600 A	<table border="1"> <tr> <td>LV847069SP</td> <td>LV847070SP</td> </tr> </table>	LV847069SP	LV847070SP
LV847069SP	LV847070SP				
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)					
 Vert. mounting.  Horiz. mounting.		630-1600 A	<table border="1"> <tr> <td>LV833584SP</td> <td>LV833585SP</td> </tr> </table>	LV833584SP	LV833585SP
LV833584SP	LV833585SP				
Drawout circuit breakers					
Front connection / Replacement kit (6 or 8 parts)					
	Top and bottom	630-1600 A	<table border="1"> <tr> <td>LV833588SP</td> <td>LV833589SP</td> </tr> </table>	LV833588SP	LV833589SP
LV833588SP	LV833589SP				
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)					
 Vert. mounting.  Horiz. mounting.		630-1600 A	<table border="1"> <tr> <td>LV833586SP</td> <td>LV833587SP</td> </tr> </table>	LV833586SP	LV833587SP
LV833586SP	LV833587SP				
Connection accessories					
Vertical connection adapters 630-1600 A / Replacement kit (3 or 4 parts)					
	For fixed and drawout front-connected circuit breakers		<table border="1"> <tr> <td>LV833642SP</td> <td>LV833643SP</td> </tr> </table>	LV833642SP	LV833643SP
LV833642SP	LV833643SP				
Cable lug adapters 630-1600 A / Replacement kit (3 or 4 parts)					
 	For fixed and drawout front-connected circuit breakers		<table border="1"> <tr> <td>LV833644SP</td> <td>LV833645SP</td> </tr> </table>	LV833644SP	LV833645SP
LV833644SP	LV833645SP				
	Threaded rod + spacers for securing the cable lug adapters		<table border="1"> <tr> <td>04691</td> <td>04691</td> </tr> </table>	04691	04691
04691	04691				
Spreaders / Replacement kit 630-1600 A (3 or 4 parts)					
	For fixed and drawout front and rear-connected circuit breakers		<table border="1"> <tr> <td>LV833622SP</td> <td>LV833623SP</td> </tr> </table>	LV833622SP	LV833623SP
LV833622SP	LV833623SP				
Interphase barriers / Replacement kit (3 or 4 parts)					
	For fixed front and rear-connected circuit breakers ^[1]		<table border="1"> <tr> <td>LV833648SP</td> <td>LV833648SP</td> </tr> </table>	LV833648SP	LV833648SP
LV833648SP	LV833648SP				
	For drawout rear-connected circuit breakers ^[2]		<table border="1"> <tr> <td>LV833768SP</td> <td>LV833768SP</td> </tr> </table>	LV833768SP	LV833768SP
LV833768SP	LV833768SP				
Arc chute screen (1 part)					
	For fixed front-connected circuit breakers		<table border="1"> <tr> <td>LV847335SP</td> <td>LV847336SP</td> </tr> </table>	LV847335SP	LV847336SP
LV847335SP	LV847336SP				

[1] Take 2 kits: 1 for the top, 1 for the bottom connections.

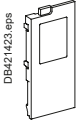
[2] The same kit covers the top and the bottom connections on the same time.

Masterpact MTZ1

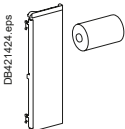
Micrologic X control unit, communication option, accessories

Replacement parts for Micrologic X control units

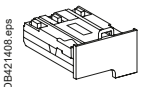
Micrologic X embedded display (EHMI)

	Micrologic X embedded display & wireless card	LV850054SP
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
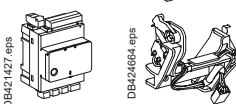
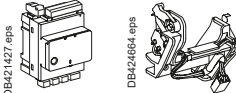
Micrologic X Battery + Transparent cover

	Battery (1 part)	LV833593SP
	Transparent Cover (1 part) For Micrologic X	LV850053SP

Voltage power supply module (VPS) for Micrologic X

	Voltage power supply module (VPS) for Micrologic X	LV850060SP
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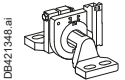
Communication option

	EIFE	Embedded Ethernet interface for LV breaker	LV851100SP
	IFE	Ethernet interface LV breaker	LV434001
		Ethernet interface for LV breakers and gateway	LV434002
		I/O application module	LV434063
		Microswitches for MTZ1	LV847906SP

Accessories

External sensors

External sensor for earth-fault protection (TCE) / 1 part

	Sensor rating 400/1600 A	LV833576SP
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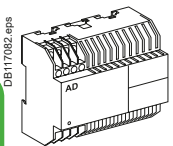
Source ground return (SGR) earth-fault protection / 1 part

	External sensor (SGR)	LV833579SP
	MDGF summing module	LV848891SP

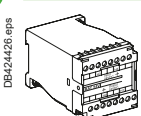
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part (up to 3200 A)

	280 mm x 115 mm	LV833573SP
	470 mm x 160 mm	LV833574SP


External power supply module (AD) / 1 part

	24-30 V DC	54440
	48-60 V DC	54441
	100-125 V DC	54442
	110-130 V AC	54443
	200-240 V AC	54444
	380-415 V AC	54445

Battery module (BAT) / 1 part

	1 battery	24 V DC	54446
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USB Cable (miniUSB/USB) for Micrologic X / 1 part

	USB Cable (miniUSB/USB) for Micrologic X / 1 part	LV850067SP
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Mobile Powerpack for Micrologic X (by APC) / 1 part

	Mobile Powerpack for Micrologic X (by APC) / 1 part	LV850055SP
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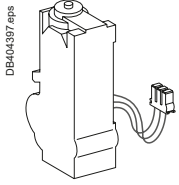
Order your breaker: spare parts

Masterpact MTZ1

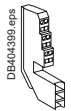
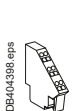
Remote operation

Remote operation

Gear motor



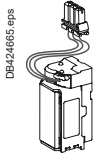
MCH (1 part)			
AC 50/60 Hz	48 V		LV833186SP
	100/130 V		LV833176SP
	200/240 V		LV833177SP
	277/415 V		LV833179SP
	440/480 V		LV833179SP
	+ resistor		LV833193SP
DC	24/30 V		LV833185SP
	48/60 V		LV833186SP
	100/125 V		LV833187SP
	200/250 V		LV833188SP
			LV847074SP
Terminal block (1 part)	For fixed circuit breaker		LV847074SP
	For drawout circuit breaker		LV833098SP



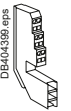
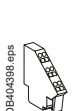
Fixed.

Drawout.

Closing and opening release (XF or MX)



Standard coil (1 part)			
AC 50/60 Hz	24/30 V DC, 24 V AC		LV833659SP
	DC	48/60 V DC, 48 V AC	LV833660SP
DC	100/130 V AC/DC		LV833661SP
	200/250 V AC/DC		LV833662SP
	277 V AC		LV833663SP
	380/480 V AC		LV833664SP

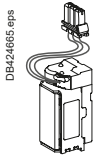


Fixed.

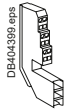
Drawout.

Diagnostics & Communicating coil (1 part)			
AC 50/60 Hz	24/30 V DC, 24 V AC		LV833033SP
	DC	48/60 V DC, 48 V AC	LV833034SP
DC	100/130 V AC/DC		LV833035SP
	200/250 V AC/DC		LV833036SP
	277 V AC		LV833037SP
	380/480 V AC		LV833038SP
	Wiring kit for diag & com coil		LV833118SP
	Terminal block (1 part)	For fixed circuit breaker	
	For drawout circuit breaker		LV833098SP

Undervoltage release MN



Undervoltage release (1 part)			
AC 50/60 Hz	24/30 V DC, 24 V AC		LV833668SP
	DC	48/60 V DC, 48 V AC	LV833669SP
DC	100/130 V AC/DC		LV833670SP
	200/250 V AC/DC		LV833671SP
	380/480 V AC		LV833673SP



Fixed.

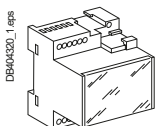
Drawout.

Diagnostics coil (1 part)				
AC 50/60 Hz	24/30 V DC, 24 V AC		LV836668SP	
	DC	48/60 V DC, 48 V AC	LV836669SP	
DC	100/130 V AC/DC		LV836670SP	
	200/250 V AC/DC		LV836671SP	
	380/480 V AC		LV836673SP	
	Wiring kit for diag & com coil		LV833118SP	
	Terminal block (1 part)	For fixed circuit breaker		LV847074SP
		For drawout circuit breaker		LV833098SP

Voltage releases securing fixture

Voltage releases securing fixture for MX/XF/MN	LV847093SP
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MN delay unit



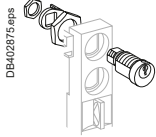
MN delay unit (1 part)			
AC 50/60 Hz	48/60 V AC/DC	R (non-adjustable)	Rr (adjustable)
		LV833684SP	LV833680SP
DC	100/130 V AC/DC	LV833681SP	LV833681SP
	200/250 V AC/DC	LV833682SP	LV833682SP
	380/480 V AC/DC	LV833683SP	LV833683SP

Masterpact MTZ1

Chassis locking and accessories

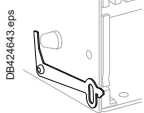
Chassis locking

"Disconnected" position locking / 1 part



By padlocks		
	VCPO	Standard
By Profalux keylocks		
Profalux	1 lock with 1 key + adaptation kit	LV864909SP
	2 locks 1 key + adaptation kit	LV864910SP
	2 locks 2 different keys + adaptation kit	LV864911SP
1 keylock Profalux (without adaptation kit):	identical key not identified combination	LV833173SP
	identical key identified 215470 combination	LV833174SP
	identical key identified 215471 combination	LV833175SP
By Ronis keylocks		
Ronis	1 lock with 1 key + adaptation kit	LV864912SP
	2 locks 1 key + adaptation kit	LV864913SP
	2 locks 2 different keys + adaptation kit	LV864914SP
1 keylock Ronis (without adaptation kit):	identical key not identified combination	LV833189SP
	identical key identified EL24135 combination	LV833190SP
	identical key identified EL24153 combination	LV833191SP
	identical key identified EL24315 combination	LV833192SP
Adaptation kit (without keylock):	adaptation kit Profalux/Ronis	LV833769SP
	adaptation kit Castell	LV833771SP
	adaptation kit Kirk	LV833772SP

Door interlock / 1 part



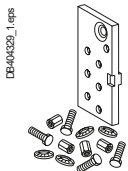
Right and left-hand side of chassis (VPECD or VPECG)	LV833172SP
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Racking interlock / 1 part



Racking interlock (VPOC)	LV833788SP
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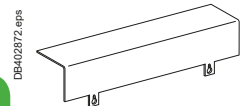
Breaker mismatch protection / 1 part



Breaker mismatch protection (VDC)	LV833767SP
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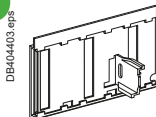
Chassis accessories

Auxiliary terminal shield (CB) / 1 part



Terminal shield	3P	LV833763SP
	4P	LV833764SP

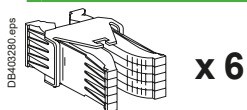
Safety shutters + locking / 1 part



Safety shutters (VO)	3P	LV833765SP
	4P	LV833766SP

Note: the locking of safety shutters is integrated.

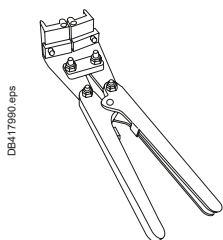
Clusters



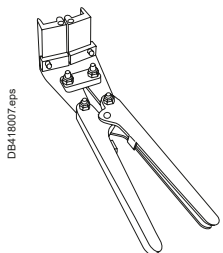
Kit of 6 disconnecting contact clusters for chassis (see table below) **LV864906SP**

Table : number of clusters required for the different chassis models

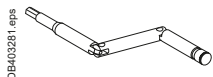
Chassis rating (A)	Masterpact MTZ1	
	3P	4P
630	12	18
800	12	18
1000	12	18
1250	12	18
1600	18	24



Set of 2 clusters fitters for 2 and 3 clusters **47554**



Racking handle / 1 part



Racking handle **LV847098SP**

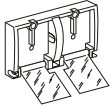
Masterpact MTZ1

Circuit breaker locking and accessories

Circuit breaker locking

Pushbutton locking device / 1 part

DB4437_1.eps



By padlocks	LV833897SP
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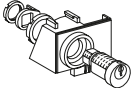
OFF position locking / 1 part

DB424648.eps



By padlocks + BPFÉ support	LV847514SP
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DB42392.eps



By Profalux keylocks + support		
Profalux	1 lock with 1 key + adaptation kit	LV864918SP
	2 locks 1 key + adaptation kit	LV864919SP
1 keylock Profalux (without adaptation kit):	identical key not identified combination	LV833173SP
	identical key identified 215470 combination	LV833174SP
	identical key identified 215471 combination	LV833175SP

By Ronis keylocks + support		
Ronis	1 lock with 1 key + adaptation kit	LV864920SP
	2 locks 1 key + adaptation kit	LV864921SP
1 keylock Ronis (without adaptation kit):	identical key not identified combination	LV833189SP
	identical key identified EL24135 combination	LV833190SP
	identical key identified EL24153 combination	LV833191SP
	identical key identified EL24315 combination	LV833192SP
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV847515SP
	adaptation kit Kirk	LV847517SP
	adaptation kit Castell	LV847518SP

Other circuit breaker accessories

Mechanical operation counter / 1 part

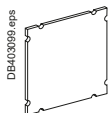
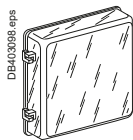
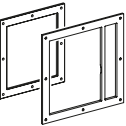
DB125617_1.eps



Operation counter CDM	LV833895SP
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Escutcheon and accessories / 1 part

DB424420.eps

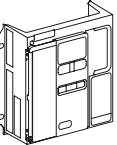


Escutcheon	Fixed	LV833718SP	Drawout
Transparent cover (IP54)			LV833859SP
Escutcheon blanking plate			LV833858SP

Escutcheon Cover Blanking plate

Front cover (3P) / 1 part

DB421431.eps



Front cover	LV847094SP
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Spring charging handle / 1 part

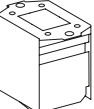
DB424666.eps



Spring charging handle	LV847092SP
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Arc chute for Masterpact MTZ1 / 1 part

DB421432.eps



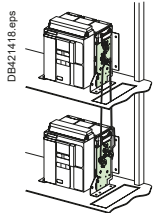
Type H1/H2/HA	3 x	3P	LV846737SP	4 x	4P	LV846737SP
Type L1	3 x		LV847095SP	4 x		LV847095SP

Masterpact MTZ1

Mechanical interlocking for source changeover

Mechanical interlocking for source changeover

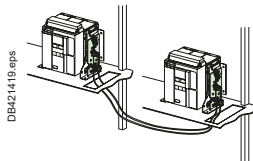
Interlocking using connecting rods



Complete assembly with 2 adaptation fixtures + rods	LV833203SP
2 Masterpact MTZ1 fixed devices	LV833204SP
2 Masterpact MTZ1 drawout devices	LV833205SP
1 set of 2 interlocking rods	LV833210SP

Note: the installation manual is enclosed.

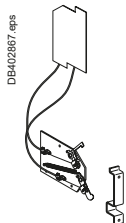
Interlocking using cables ^[1]



Choose 2 adaptation fixtures (1 for each device) + 1 set of cables	LV833200SP
1 adaptation fixture for Masterpact MTZ1 fixed devices	LV833201SP
1 adaptation fixture for Masterpact MTZ1 drawout devices	LV833202SP
1 set of 2 cables	LV833209SP

[1] Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

Cable-type door interlock



1 complete assembly for Masterpact MTZ1 fixed devices	LV833920SP
1 complete assembly for Masterpact MTZ1 drawout devices	LV833921SP

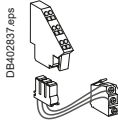
Note: the installation manual is enclosed.

Masterpact MTZ1

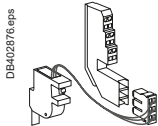
Indication contacts

Indication contacts


ON/OFF indication contacts (OF) / 1 part

	Changeover contacts (6 A - 240 V)	LV847076SP
	1 low-level OF to replace 1 standard OF (4 max.)	LV847077SP
	Wiring	For fixed circuit breaker
		For drawout circuit breaker
		LV847074SP
		LV833098SP


"Ready to close" contact (1 max.) / 1 part

		PF
	1 changeover contact (6 A - 240 V)	LV847080SP
	1 low-level changeover contact	LV847081SP
	Wiring	For fixed circuit breaker
		LV847074SP
		LV833098SP

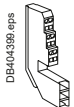
Electrical closing pushbutton / 1 part

		BPFE
	1 pushbutton	LV864917SP

Carriage switches (connected / disconnected / test position) / 1 part

	Changeover contacts (6 A - 240 V)	
	1 connected position contact (3 max.)	LV833170SP
	1 test position contact (1 max.)	LV833170SP
	1 disconnected position contact (2 max.)	LV833170SP
	And/or low-level changeover contacts	
	1 connected position contact (3 max.)	LV833171SP
1 test position contact (1 max.)	LV833171SP	
1 disconnected position contact (2 max.)	LV833171SP	

Auxiliary terminals for chassis alone

	3 wire terminal (1 part), terminal block (1 part)	LV833098SP
	6 wire terminal (1 part), terminal block (1 part)	LV833099SP
	Jumpers (10 parts)	LV847900SP

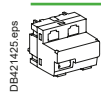
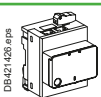
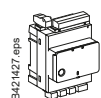

Auxiliary terminals for fixed circuit breaker

	3 wire terminal block (1 part)	LV847074SP
	6 wire terminal block (1 part)	LV847075SP

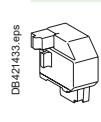
Masterpact MTZ1

Communication, monitoring and control

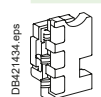
Communication option

	EIFE	Embedded Ethernet module full spare part kit for MTZ1-drawout	LV851100SP
		Embedded ethernet Spare Part module for MTZ1/2/3-drawout	LV851001SP
	IFE	Ethernet interface LV breaker	LV434001
		Ethernet interface for LV breakers and gateway	LV434002
		Microswitches for MTZ1	LV847906SP
		I/O application module	LV434063
		EIFE Accessories spare part kit for MTZ1-drawout	LV851120SP

ULP port modules


		ULP port - for Masterpact MTZ1 - fixed	LV850063SP
		ULP port - for Masterpact MTZ1 - drawout	LV850064SP

Accessories for Diagnostics & Communicating Releases

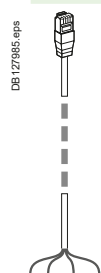

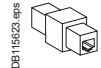


		Isolation module - for MX1/XF communicating coils	LV850056SP
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Monitoring and control

Ethernet display module

		Switchboard front display module FDM128	LV434128
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ULP wiring accessories ^[1]

		Breaker ULP cord L = 0.35 m	LV434195
		Breaker ULP cord L = 1.3 m	LV434196
		Breaker ULP cord L = 3 m	LV434197
		10 Modbus line terminators	VW3A8306DRC ^[2]
			5 RJ45 connectors female/female
			10 ULP line terminators
		10 RJ45/RJ45 male cord L = 0.3 m	TRV00803
		10 RJ45/RJ45 male cord L = 0.6 m	TRV00806
		5 RJ45/RJ45 male cord L = 1 m	TRV00810
		5 RJ45/RJ45 male cord L = 2 m	TRV00820
		5 RJ45/RJ45 male cord L = 3 m	TRV00830
		1 RJ45/RJ45 male cord L = 5 m	TRV00850

[1] For measurement display with Micrologic x.

[2] See Telemecanique catalogue.

Masterpact MTZ2/3 Connection

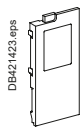
Connection			3P	4P
Fixed circuit breakers				
Front connection / Replacement kit (3 or 4 parts)				
	800-1600 A	Top	LV847990SP	LV847991SP
	2000/3200 A	Top	LV847992SP	LV847993SP
	800-1600 A	Bottom	LV847932SP	LV847933SP
	2000/3200 A	Bottom	LV847942SP	LV847943SP
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)				
	800-2000 A	Vertical	LV847964SP	LV847965SP
		Horizontal	LV847964SP	LV847965SP
	2500/3200 A	Vertical	LV847966SP	LV847967SP
		Horizontal	LV847966SP	LV847967SP
	4000 A	Vertical	LV847968SP	LV847969SP
		Horizontal	LV847970SP	LV847971SP
	4000b/5000 A	Vertical	2x LV847966SP	2x LV847967SP
		Horizontal	2x LV847966SP	2x LV847967SP
	6300 A	Vertical	2x LV847968SP	2x LV847969SP
Drawout circuit breakers				
Front connection / Replacement kit (3 or 4 parts)				
	800-1600 A	Top or bottom	LV847960SP	LV847961SP
	2000/3200 A	Top or bottom	LV847962SP	LV847963SP
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)				
	800-2000 A types N1/H1/H2	Vertical	LV847964SP	LV847965SP
	800-1600 A types H3/L1	Horizontal	LV847964SP	LV847965SP
	2500/3200 A types H1/H2	Vertical	LV847966SP	LV847967SP
	2000/3200 A types H3/L1	Horizontal	LV847966SP	LV847967SP
	4000 A	Vertical	LV847968SP	LV847969SP
		Horizontal	LV847970SP	LV847971SP
	4000b/5000 A	Vertical	2x LV847966SP	2x LV847967SP
		Horizontal	2x LV847966SP	2x LV847967SP
	6300 A	Vertical	2x LV847968SP	2x LV847969SP
Connection accessories			3P	4P
Disconnectable front-connection adapter for fixed circuit breaker (3 or 4 parts)				
	1600 A		LV848421SP	LV848424SP
	2000/3200 A		LV848422SP	LV848425SP
Interphase barriers / Replacement kit (3 parts)				
	For fixed rear-connected circuit breaker		LV848599SP	LV848599SP
	For drawout rear-connected circuit breaker		LV848600SP	LV848600SP
Additional support brackets for mounting on a backplate				
	For fixed rear-connected circuit breaker (2 parts)			LV847829SP
Grounding kit KTM				
	Grounding kit for Masterpact MTZ2/3 fixed			
	Side plate kit			LV848556SP
	Device earthing kit			LV848557SP
Grounding kit for Masterpact MTZ2/3 drawout			LV848557SP	

Masterpact MTZ2/3

Micrologic X control unit, communication option, accessories

Replacement parts for Micrologic X control units

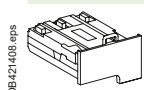
Micrologic X embedded display (EHMI)

	Micrologic X embedded display & wireless card	LV850054SP
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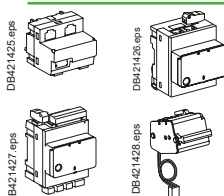
Micrologic X Battery + Transparent cover

	Battery (1 part)	LV833593SP
	Transparent Cover (1 part) for Micrologic X	LV850053SP

Voltage power supply module (VPS) for Micrologic X

	Voltage power supply module (VPS) for Micrologic X	LV850060SP
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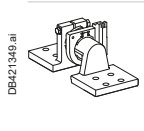
Communication option

	EIFE	Embedded Ethernet interface for LV breaker	LV851200SP
	IFE	Ethernet interface LV breaker	LV434001
		Ethernet interface for LV breakers and gateway	LV434002
		I/O application module	LV434063
		Microswitches for MTZ2/3	LV847905SP

Accessories

External sensors

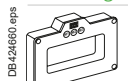
External sensor for earth-fault protection (TCE) / 1 part

	Sensor rating	400/2000 A	LV834035SP
		1000/4000 A	LV834036SP
		4000/6300 A (MTZ3)	LV848182SP
	Single sensor kit	2000/6300 A	LV848904SP
	3 layer bus	2000 A	LV848905SP

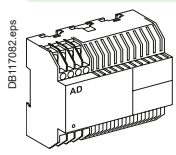
Source ground return (SGR) earth-fault protection / 1 part

	External sensor (SGR)	LV833579SP
	MDGF summing module	LV848891SP

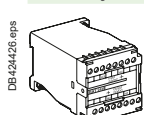
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part (up to 3200 A)

	280 mm x 115 mm	LV833573SP
	470 mm x 160 mm	LV833574SP


External power supply module (AD) / 1 part

	24-30 V DC	54440
	48-60 V DC	54441
	100-125 V DC	54442
	110-130 V AC	54443
	200-240 V AC	54444
	380-415 V AC	54445


Battery module (BAT) / 1 part

	1 battery	24 V DC	54446
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USB Cable (miniUSB/USB) for Micrologic X / 1 part

	USB Cable (miniUSB/USB) for Micrologic X / 1 part	LV850067SP
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Mobile Powerpack for Micrologic X (by APC) / 1 part

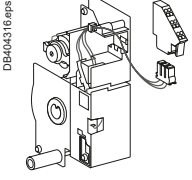

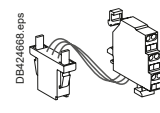
	Mobile Powerpack for Micrologic X (by APC) / 1 part	LV850055SP
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Masterpact MTZ2/3

Remote operation

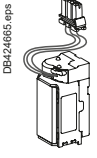
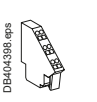

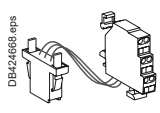
Remote operation

Gear motor

	MCH (1 part)		
	AC 50/60 Hz	48 V	LV847889SP
		100/130 V	LV847893SP
		200/240 V	LV847894SP
		277/415 V	LV847895SP
		440/480 V + resistor	LV847896SP LV847897SP
	DC	24/30 V	LV847888SP
		48/60 V	LV847889SP
		100/125 V	LV847890SP
		200/250 V	LV847891SP
	Terminal block (1 part)	For fixed circuit breaker	LV847074SP
		For drawout circuit breaker	LV847849SP

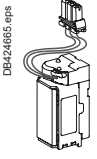
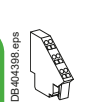

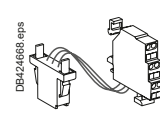
Fixed. Drawout.

Closing and opening release (XF or MX)

	Standard coil (1 part)		
	AC 50/60 Hz	24/30 V DC, 24 V AC	LV833659SP
	DC	48/60 V DC, 48 V AC	LV833660SP
		100/130 V AC/DC	LV833661SP
		200/250 V AC/DC	LV833662SP
		277 V AC	LV833663SP
		380/480 V AC	LV833664SP
	Diagnostics & Communicating coil (1 part) ^[1]		
	AC 50/60 Hz	24/30 V DC, 24 V AC	LV833033SP
	DC	48/60 V DC, 48 V AC	LV833034SP
		100/130 V AC/DC	LV833035SP
		200/250 V AC/DC	LV833036SP
		277 V AC	LV833037SP
		380/480 V AC	LV833038SP
		Wiring kit for diag & com coil	LV847904SP
	Terminal block (1 part)	For fixed circuit breaker	LV847074SP
		For drawout circuit breaker	LV847849SP

Fixed. Drawout.

Undervoltage release MN

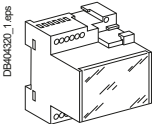
	Undervoltage release (1 part)		
	AC 50/60 Hz	24/30 V DC, 24 V AC	LV833668SP
	DC	48/60 V DC, 48 V AC	LV833669SP
		100/130 V AC/DC	LV833670SP
		200/250 V AC/DC	LV833671SP
		380/480 V AC	LV833673SP
	Diagnostics coil (1 part) ^[1]		
	AC 50/60 Hz	24/30 V DC, 24 V AC	LV836668SP
	DC	48/60 V DC, 48 V AC	LV836669SP
		100/130 V AC/DC	LV836670SP
		200/250 V AC/DC	LV836671SP
		380/480 V AC	LV836673SP
		Wiring kit for diag & com coil	LV847904SP
	Terminal block (1 part)	For fixed circuit breaker	LV847074SP
		For drawout circuit breaker	LV847849SP

Fixed. Drawout.

Voltage releases securing fixture

Voltage releases securing fixture for MX/XF/MN	LV847093SP
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MN delay unit

	MN delay unit (1 part)		
	AC 50/60 Hz	48/60 V AC/DC	R (non-adjustable)
	DC	100/130 V AC/DC	Rr (adjustable)
		200/250 V AC/DC	LV833684SP
		380/480 V AC/DC	LV833685SP
			LV833680SP
			LV833681SP
			LV833682SP
			LV833683SP

[1] Diagnostics & Communicating coils (MX/XF/MN) requires additionally the isolation module if isn't installed in breaker -1 module by breaker.

Order your breaker: spare parts

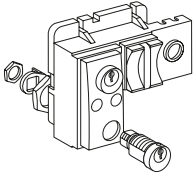
Masterpact MTZ2/3

Chassis locking and accessories

Chassis locking

"Disconnected" position locking / 1 part

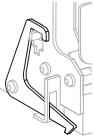
DB404338.eps



By padlocks		
	VCPO	Standard
By Profalux keylocks		
Profalux	1 lock with 1 key + adaptation kit	LV864934SP
	2 locks 1 key + adaptation kit	LV864935SP
	2 locks 2 different keys + adaptation kit	LV864936SP
1 keylock Profalux (without adaptation kit):	identical key not identified combination	LV833173SP
	identical key identified 215470 combination	LV833174SP
	identical key identified 215471 combination	LV833175SP
By Ronis keylocks		
Ronis	1 lock with 1 key + adaptation kit	LV864937SP
	2 locks 1 key + adaptation kit	LV864938SP
	2 locks 2 different keys + adaptation kit	LV864939SP
1 keylock Ronis (without adaptation kit):	identical key not identified combination	LV833189SP
	identical key identified EL24135 combination	LV833190SP
	identical key identified EL24153 combination	LV833191SP
	identical key identified EL24315 combination	LV833192SP
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV848564SP
	adaptation kit Kirk	LV848565SP
	adaptation kit Castell	LV848566SP

Door interlock / 1 part

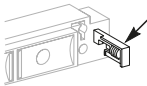
DB424654.eps



Right and left-hand side of chassis (VPECD or VPECG)	LV847914SP
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Racking interlock

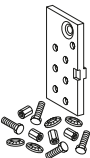
DB424655.eps



5 parts	LV864940SP
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Breaker mismatch protection / 1 part

DB404320_2.eps



Breaker mismatch protection (VDC)	LV833767SP
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Chassis accessories

Auxiliary terminal shield (CB) / 1 part

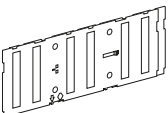
DB404331_1.eps



MTZ2 800/4000 A	3P	LV864942SP
	4P	LV848596SP
MTZ3 4000/6300 A	3P	LV848597SP
	4P	LV848598SP

Safety shutters + locking block / 1 part

DB404332_1.eps



MTZ2 800/4000 A	3P	LV848721SP
	4P	LV848723SP
MTZ3 4000/6300 A	3P	LV848722SP
	4P	LV848724SP

Shutter locking block (for replacement) / 1 part

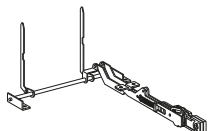
DB404330_1.eps



2 parts for 800/4000 A	LV848591SP
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Front face shutter position indication and locking

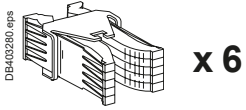
DB425708.ai



MTZ2 800/4000 A	3P	LV848592SP
MTZ3 4000/6300 A	3P	LV848593SP
	4P	LV848594SP

Masterpact MTZ2/3 Clusters

Clusters



Kit of 6 disconnecting contact clusters for chassis (see table below)

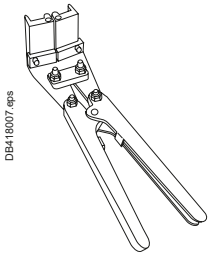
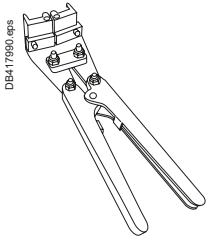
LV864906SP

Table : number of clusters required for the different chassis models

	Masterpact MTZ2-3 3P						Masterpact MTZ2-3 4P					
	N1, NA	H1, HA	H10, HA10	H2, HF	H3	L1	N1, NA	H1, HA	H10, HA10	H2, HF	H3	L1
MTZ2 08 to 16	12	12	12	24		24	16	16	16	32		32
MTZ2 20	24	24	24	24	24	42	32	32	32	32	32	56
MTZ2 25		24	24	24	24			32	32	32	32	
MTZ2 32		36	36	36	36			48	48	48	48	
MTZ2 40		42	42	42	42			56	56	56	56	
MTZ3 40 to 50		72		72				96		96		
MTZ3 63		72		72				96		96		

Set of 2 clusters fitters for 2 and 3 clusters

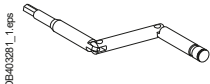
47554



Racking handle

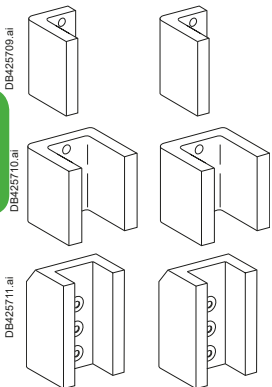
Racking handle

LV847944SP



Raking terminals for converting a fixed into a drawout circuit breaker (for 1 pole = top + bottom)

Device type	Quantity to be ordered		Part number
	3P	4P	
MTZ2 08-16 N1/NA/H1/HA	3	4	LV847908SP
MTZ2 20 N1 - MTZ2 20-25 H1/H2/HA	3	4	LV847909SP
MTZ2 32-40 H1/H2/HA	3	4	LV847912SP



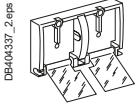
Order your breaker: spare parts

Masterpact MTZ2/3

Circuit breaker locking and accessories

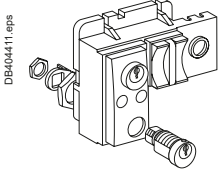
Circuit breaker locking

Pushbutton locking device / 1 part



By padlocks	LV848536SP
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OFF position locking / 1 part



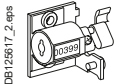
By padlocks	LV848539SP
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By Profalux keylocks		
Profalux	1 lock with 1 key + adaptation kit	LV864928SP
	2 locks 1 key + adaptation kit	LV864929SP
	2 locks 2 different keys + adaptation kit	LV864930SP
1 keylock Profalux (without adaptation kit):	identical key not identified combination	LV833173SP
	identical key identified 215470 combination	LV833174SP
	identical key identified 215471 combination	LV833175SP

By Ronis keylocks		
Ronis	1 lock with 1 key + adaptation kit	LV864931SP
	2 locks 1 key + adaptation kit	LV864932SP
	2 locks 2 different keys + adaptation kit	LV864933SP
1 keylock Ronis (without adaptation kit):	identical key not identified combination	LV833189SP
	identical key identified EL24135 combination	LV833190SP
	identical key identified EL24153 combination	LV833191SP
	identical key identified EL24315 combination	LV833192SP
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	LV848541SP
	adaptation kit Kirk	LV848542SP
	adaptation kit Castell	LV848543SP

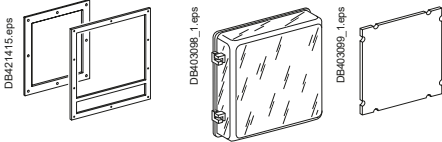
Other circuit breaker accessories

Mechanical operation counter / 1 part



Operation counter CDM	LV848535SP
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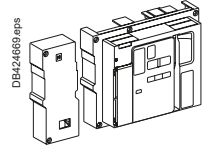
Escutcheon and accessories / 1 part



	Fixed	Drawout
Escutcheon	LV848601SP	LV848603SP
Transparent cover (IP 54)		LV848604SP
Escutcheon blanking plate	LV848605SP	LV848605SP

Escutcheon Cover Blanking plate

Front cover (3P / 4P) / 1 part



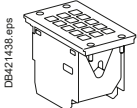
Front cover	LV847939SP
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Spring charging handle / 1 part



Spring charging handle	LV847940SP
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Arc chute for Masterpact MTZ2/3 / 1 part



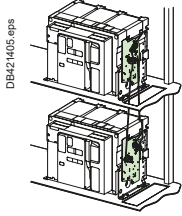
	3P		4P	
Type N1/NA/HF	3 x	LV847935SP	4 x	LV847935SP
Type H1/H2/HA (MTZ2 08 to MTZ2 40)	3 x	LV847935SP	4 x	LV847935SP
Type H1/H2/HA (MTZ3 40 to MTZ3 63)	6 x	LV847936SP	8 x	LV847936SP
Type H3	3 x	LV847936SP	4 x	LV847936SP
Type H10/HA10	3 x	LV847869SP	4 x	LV847869SP
Type L1	3 x	LV847937SP	4 x	LV847937SP

Masterpact MTZ2/3

Mechanical interlocking for source changeover

Mechanical interlocking for source changeover

Interlocking of 2 devices using connecting rods



Choose 1 set of 2 adaptation fixtures (1 for each device) + 1 set of rods

1 set of 2 adaptation fixtures for Masterpact MTZ2 or MTZ3 fixed or drawout device

LV847930SP

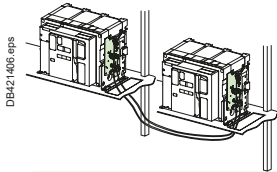
1 set of 2 interlocking rods

LV833210SP

Can be used with 1 MTZ2/3 fixed + 1 MTZ2/3 drawout.

Note: the installation manual is enclosed.

Interlocking of 2 devices using cables^[1]



Choose 2 adaptation sets (1 for each device + 1 set of cables)

1 adaptation fixture for Masterpact MTZ2/3 fixed devices

LV847926SP

1 adaptation fixture for Masterpact MTZ2/3 drawout devices

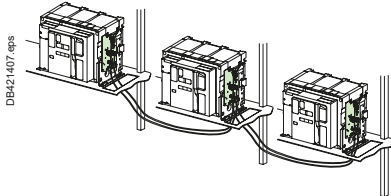
LV847926SP

1 set of 2 cables

LV833209SP

[1] Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

Interlocking of 3 devices using cables



Choose 3 adaptation (including 3 adaptation fixtures + cables)

3 sources, only 1 device closed, fixed or drawout devices

LV848610SP

2 sources + 1 coupling, fixed or drawout devices

LV848609SP

2 normal + 1 replacement source, fixed or drawout devices

LV848608SP

Cable-type door interlock

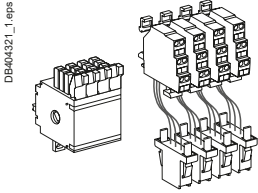
1 complete assembly for Masterpact MTZ2/3 fixed or drawout device

LV848614SP

Note: the installation manual is enclosed.

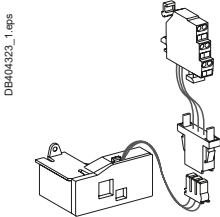
Indication contacts

ON/OFF indication contacts (OF) / 12 parts



1 additional block of 4 contacts	LV864922SP
Wiring	For fixed circuit breaker For drawout circuit breaker
	LV847074SP LV847849SP

“Fault trip” indication contacts (SDE) / 1 part

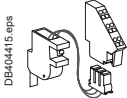


Changeover contact (SDE)	6 A - 240 V	LV847915SP
	Low-level	LV847916SP
Wiring	For fixed circuit breaker For drawout circuit breaker	LV847074SP LV847849SP

Remote reset after fault trip

Electrical reset RES	110/130 V AC 220/240 V AC	LV848202SP LV848203SP
Wiring	For fixed circuit breaker For drawout circuit breaker	LV847074SP LV847849SP

“Ready to close” contact (1 max.) / 1 part



1 changeover contact (5 A - 240 V)	PF	LV847080SP
1 low-level changeover contact		LV847081SP
Wiring	For fixed circuit breaker For drawout circuit breaker	LV847074SP LV847849SP

“Connected, disconnected, test position” indication contact (carriage switches) / 1 part



Changeover contacts	6 A - 240 V	LV833170SP
CE, CD, CT	Low-level	LV833171SP

Set of additional actuators for carriage switches / 1 set

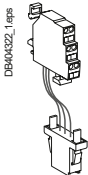
1 set	LV848560SP
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Note: The Masterpact MTZ2 and MTZ3 chassis is equipped in standard for receiving the following carriage switches combinations:

- chassis without EIFE: up to 3 CD + up to 3 CE + up to 3 CT
- chassis with EIFE: up to 3 CD + up to 3 CE.

Any other carriage switches possible combination different than the standard ones requires 1 set of additional actuators.

Combined closed / connected contacts for use with 1 auxiliary contact / 1 part



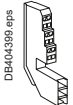
1 contact (5 A - 240 V)	LV848477SP
or 1 low-level contact	LV848478SP

Electrical closing pushbutton / 1 part



1 pushbutton	BPFE LV848534SP
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Auxiliary terminals for chassis alone



3 wire terminal (1 part)	LV847849SP
6 wire terminal (1 part)	LV847850SP
Jumpers (10 parts)	LV847900SP

Auxiliary terminals for fixed circuit breaker







3 wire terminal block (1 part)	LV847074SP
6 wire terminal block (1 part)	LV847075SP


Masterpact MTZ2/3

Communication, monitoring and control


Communication option

	EIFE	Embedded Ethernet module full spare part kit for MTZ2/3-drawout	LV851200SP
		Embedded Ethernet spare part module MTZ1/2/3-drawout	LV851001SP
	IFE	Ethernet interface LV breaker	LV434001
		Ethernet interface for LV breakers and gateway	LV434002
	Microswitches for MTZ2/3		LV847905SP
	EIFE Accessories spare part kit for MTZ2/3		LV851220SP
	I/O application module		LV434063

ULP port modules


	ULP port - for Masterpact MTZ2/3 - fixed		LV850061SP
	ULP port - for Masterpact MTZ2/3 - drawout		LV850062SP

Accessories for Diagnostics & Communicating Releases






	Isolation module - for MX1/XF communicating coils		LV850056SP
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Monitoring and control

Ethernet display module

	Switchboard front display module FDM128		LV434128
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ULP wiring accessories ^[1]

	Breaker ULP cord L = 0.35 m		LV434195
	Breaker ULP cord L = 1.3 m		LV434196
	Breaker ULP cord L = 3 m		LV434197
10 Modbus line terminators			VW3A8306DRC ^[2]
	5 RJ45 connectors female/female		TRV00870
	10 ULP line terminators		TRV00880
	10 RJ45/RJ45 male cord L = 0.3 m		TRV00803
	10 RJ45/RJ45 male cord L = 0.6 m		TRV00806
	5 RJ45/RJ45 male cord L = 1 m		TRV00810
	5 RJ45/RJ45 male cord L = 2 m		TRV00820
	5 RJ45/RJ45 male cord L = 3 m		TRV00830
	1 RJ45/RJ45 male cord L = 5 m		TRV00850
			

[1] For measurement display with Micrologic X.

[2] See TeSys catalogue.

Notes



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