SIEMENS

SINOVA 3VJ
Molded Case Circuit Breakers

Simply Efficient

Overview

SINOVA 3VJ Molded Case Circuit Breakers with Thermal Magnetic Trip units offer the perfect solution for infrastructure, buildings, utilities and industrial applications. The SINOVA 3VJ MCCBs are the first choice for cost-efficient power distribution. It ensures reliable protection of installations with functional features that maximizes benefits for users.

Key Features

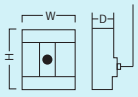
Compact
These MCCBs save space in enclosures and switchboards, reducing the overall size of the module.

Reliable & safe
These MCCBs are designed to adhere to Siemens quality standards for optimal performance and are 100% rated neutral to operate safely in demanding applications.

Flexible
The range comes with a wide arange of accessories, common footprints from 10kA to 55kA breaking capacities and interchangeable neutral pole positioning.

Efficient
User-friendly features that provide a cost-efficient solution for your power distribution requirements.

Technical Specifications

							
Type		**3VJ10**	**3VJ10**	**3VJ11**	**3VJ12**	**3VJ13**	**3VJ14**
Number of Poles		1	2/3/4	2/3/4	2/3/4	3/4	3/4
Frame size		125X	125X	125	250	400	630
Rated operational current In at 50^{0}C ambient temperature	A	20-125	20-125	25-125	160-250	320-400	500-630
Rated operational voltage Ue 50/60Hz AC	V	240	415	415	415	415	415
Insulation Voltage	V	800	800	1000	1000	1000	1000
Impulse Voltage	kV	6	6	8	8	8	8
Suitable for Isolation		Yes					
Utilization category, according to IEC60947-2		A					
Breaking capacity							
Short-circuit breaking capacities Icu / Ics rms value, according to IEC60947-2							
Icu @ AC 415* V-50/60Hz	kA	10 / 18 / 25	10 / 18 / 25	25 / 36 / 55	18 / 25 / 36 / 55	25 / 36 / 55	36 / 55
Ics @ AC 415* V-50/60Hz	kA	100% / 75%	100% / 75%	75%	75%	75%	75%
Trip Units							
Fixed Thermal Fixed Magnetic (1P/2P/3P/4P MCCBs)	FTFM	■					
Adjustable Thermal Fixed Magnetic (3P/4P MCCBs)	ATFM	■					
Neutral Protection in 4P MCCB		100%					
Operating cycles							
Mechanical		15000	15000	15000	15000	15000	10000
Electrical @ 415* V AC		5000	5000	5000	5000	5000	4500
Connection technology							
Standard connection technology		Screw terminal					
Overall Dimensions							
Width x Height x Depth 		35 X 118 X 62	80 (2P/3P) / 103.5 (4P) x 126 x 62	92 (2P/3P) x 122 (4P) x 150 x 81	107.5 (2P/3P) x 142.5 (4P) x 166 X 81	150 (3P) / 198 (4P) x 260 x 104	150 (3P) / 198 (4P) x 260 x 104

*240V for 1P MCCBs

■ Available

Certifications

- EN 60947-2
- IEC 60947-2
- Pollution Degree III
- RoHS Compliant
- IEC certification by independent laboratories

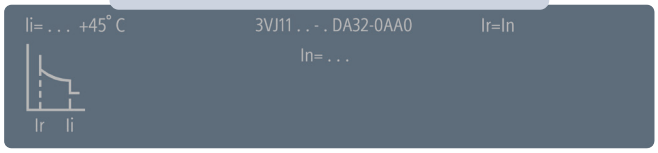
Thermal Magnetic Trip Unit

The SINOVA 3VJ MCCBs offer flexibile Neutral configuration (N-RYB or RYB-N) and all 4-poles are 100% rated.

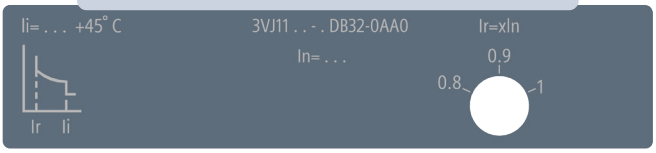
Trip Units	Thermal settings	Magnetic settings*
Fixed Thermal Fixed Magnetic (FTFM)	In	10In*
Adjustable Thermal Fixed Magnetic (ATFM)	0.8 - 1In	10In*

*For respective magnetic settings please refer to tripping characteristic curves of individual frames.

Fixed Thermal Fixed Magnetic (FTFM)



Adjustable Thermal Fixed Magnetic (ATFM)



Accessories

In addition to the basic protection units of SINOVA 3VJ Molded Case Circuit Breakers we also offer accessory components to cater to your specific power distribution requirements.

Internal Accessories

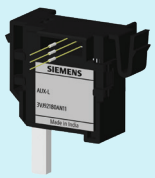
SINOVA 3VJ Molded Case Circuit Breakers offers both auxiliary switches (auxiliary, alarm, auxiliary & alarm) and auxiliary releases (UV & Shunt). All connection cables and wires are marked with a unique color code for easy identification.

Auxiliary Switches

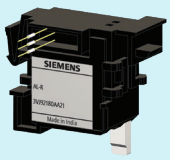
The auxiliary and alarm switches also easily fit into the designated accessories compartments located at the front of the breaker.

The press fit installation of these switches provide a high degree of flexibility in installation.

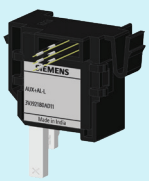
The different types of Auxiliary switches are



Auxiliary switch (AUX) to indicate the ON & OFF position of the MCCB



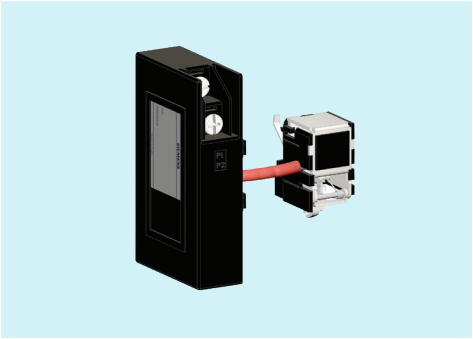
Alarm switch (AL) to indicate the TRIP position of the MCCB



Auxiliary +Alarm switch (AUX+AL), a combined unit to provide 2 outputs (ON/OFF & TRIP) in a single compartment

Auxiliary Releases

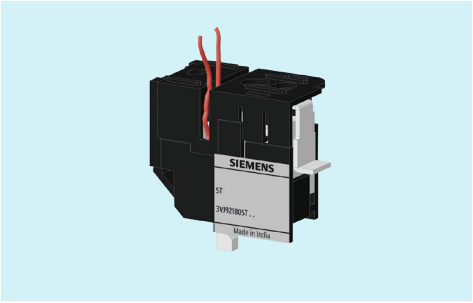
Auxiliary releases allow remote electrical tripping of the circuit breaker.



Undervoltage Releases

Undervoltage releases trip the molded case circuit breaker in the event that the rated voltage of a monitored circuit drops below a minimum permissible limit or fails.

The undervoltages release can only be fitted into the left side compartment and are available in AC & DC voltages.



Shunt Trip Release

Shunt trips can be used to trip the molded case circuit breaker remotely. It consists of an inbuilt aux contact which cuts off the auxiliary supply to the shunt trip coil once it is tripped.

The shunt trip can only be fitted into the right side compartment and comes with standard length cables for direct connections.

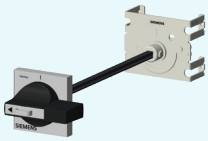
The table below shows the frame sizes of the SINOVA 3VJ Molded Case Circuit Breakers in which the internal accessories can be installed.

Accessories	Frame Sizes				
	3VJ10 125 A	3VJ11 125 A	3VJ12 250 A	3VJ13 400 A	3VJ14 630 A
Auxiliary Switch	✓	✓		✓	
Alarm Switch	✓	✓	✓	✓	
Auxiliary + Alarm Switch	✓	✓	✓	✓	
Shunt Trip Release	✓	✓		✓	
Under voltage Release	x	✓		✓	

✗ Not Available | ✓ Available

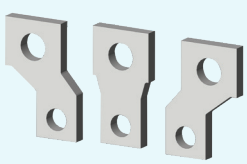
External accessories

We also offer external accessories to meet your standard power distribution application requirements.



Door mounted rotary handle

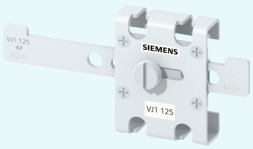
For the circuit breakers which are installed in cubicles or distribution boards, we offer door mounted rotary handles. To ensure safety during operation, this device can be padlocked in **ON** and **OFF** position.



Spreader Terminals

The spreaders allows flexibility and safety in the termination of various busbar or cable connections.

Suitable spreader terminals are available across the range for the SINOVA 3VJ Molded Case Circuit Breakers.



Mechanical Interlocking

The front sliding bar allows interlocking between two molded case circuit breakers of the same size by means of a sliding bar.

With this device, the sliding bar is moved to block the handle of the interlocked molded case circuit breaker which forces the breaker into the OFF position. This then enables the released circuit breaker to be operated on safely.

Padlock device

A padlock device mounted and latched on the handle allows the molded case circuit breaker to be locked in the OFF or the ON position.

SS Enclosure

Enclosures are designed to suit standards application needs of housing the SINOVA 3VJ molded case circuit breaker with ample space for cable termination and in-built Neutral Link for TPN system. Designed for effortless installation and easy wall mounting.

Derating Charts

Temperature derations

3VJ1 molded case circuit breakers are used at ambient temperatures from -10 °C to +60 °C.

Derating (reduction in rated operational current) is required at temperatures above +50 °C. Refer to the table below for the correction factors for determining the key values:

Ambient Temperature	3VJ10	3VJ11	3VJ12	3VJ13	3VJ14
50°C	100%	100%	100%	100%	100%
55°C	97.2%	97.2%	98.0%	97.8%	97.4%
60°C	94.4%	94.4%	95.8%	95.6%	95.0%

Altitude derations

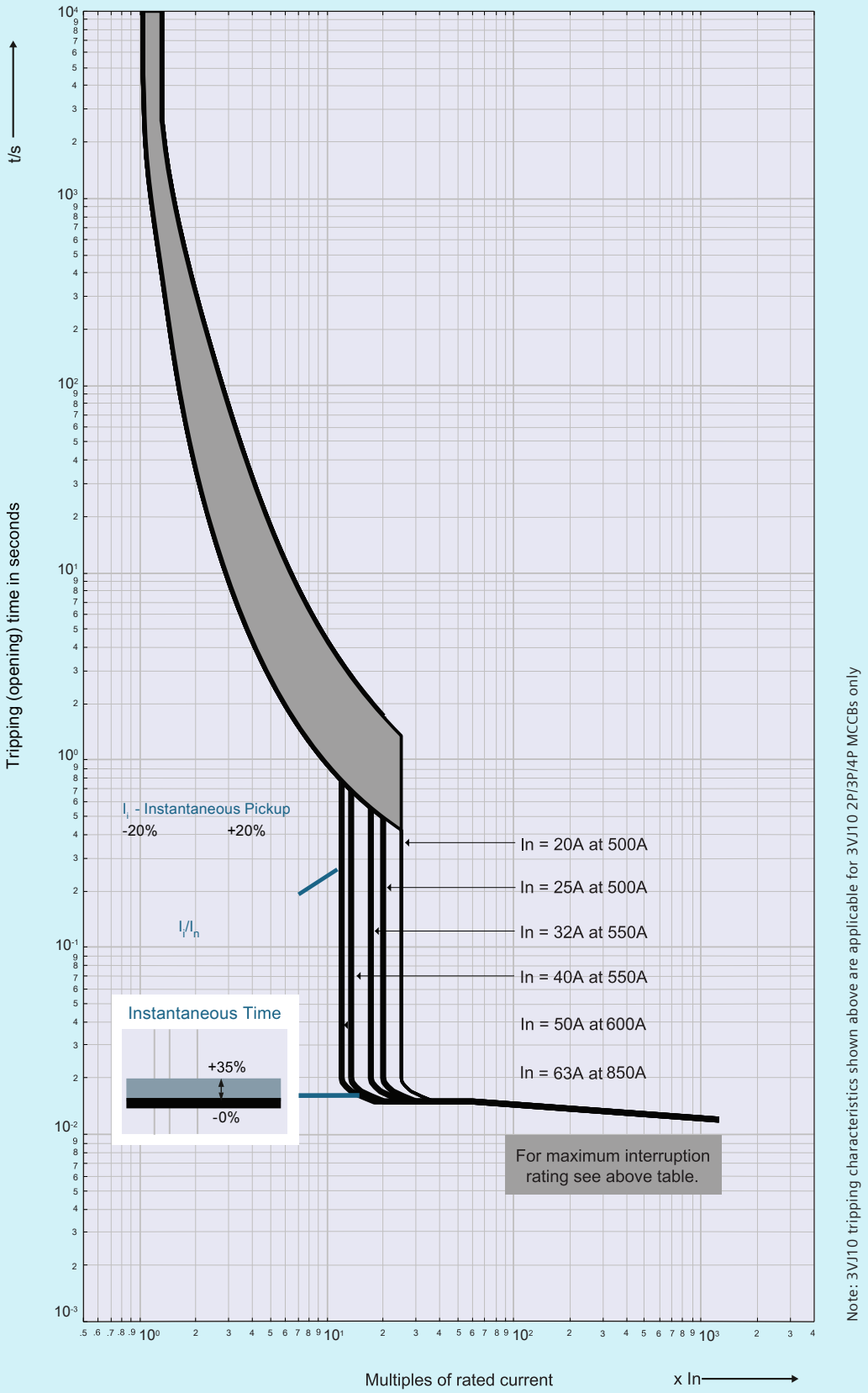
When 3VJ1 molded case circuit breakers are used at up to 2000 m above main sea level, the rated current will not change, however installation altitude above 2000 m can lead to higher temperatures at the switching devices. The lower density of air can significantly reduce heat dissipation, making it necessary to decrease rated current and short circuit breaking capacities.

Refer to the table below for the correction factors for determining the key values:

Elevation (m)	2000	3000	4000	5000
Power Frequency withstand voltage (V)	3000	2500	2000	1800
Correction factor for Current	1	0.94	0.88	0.83
Correction factor for Icu/Ics	1	0.83	0.71	0.63

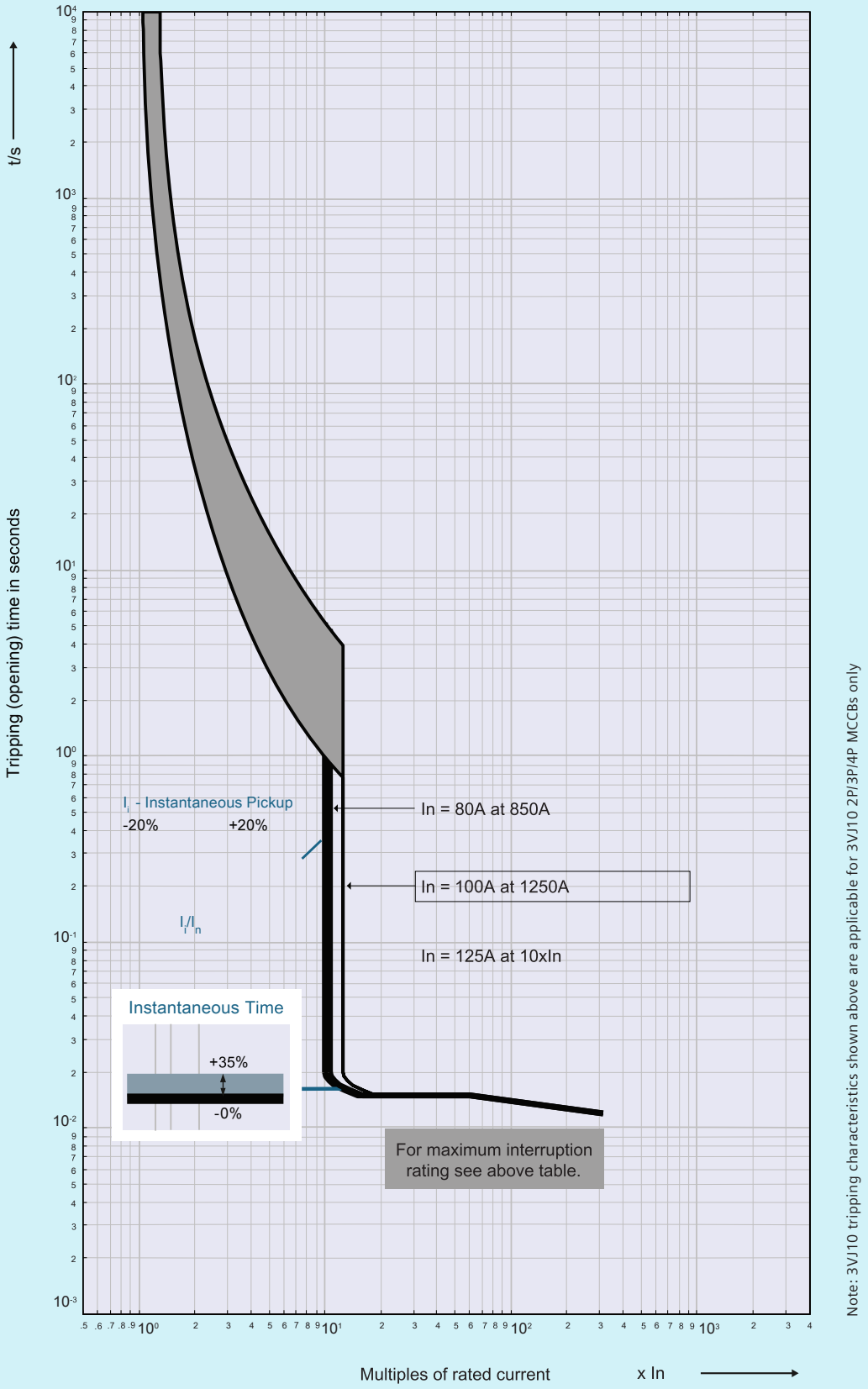
Tripping Characteristics

3VJ10 20A-63A FTFM trip unit



Tripping Characteristics

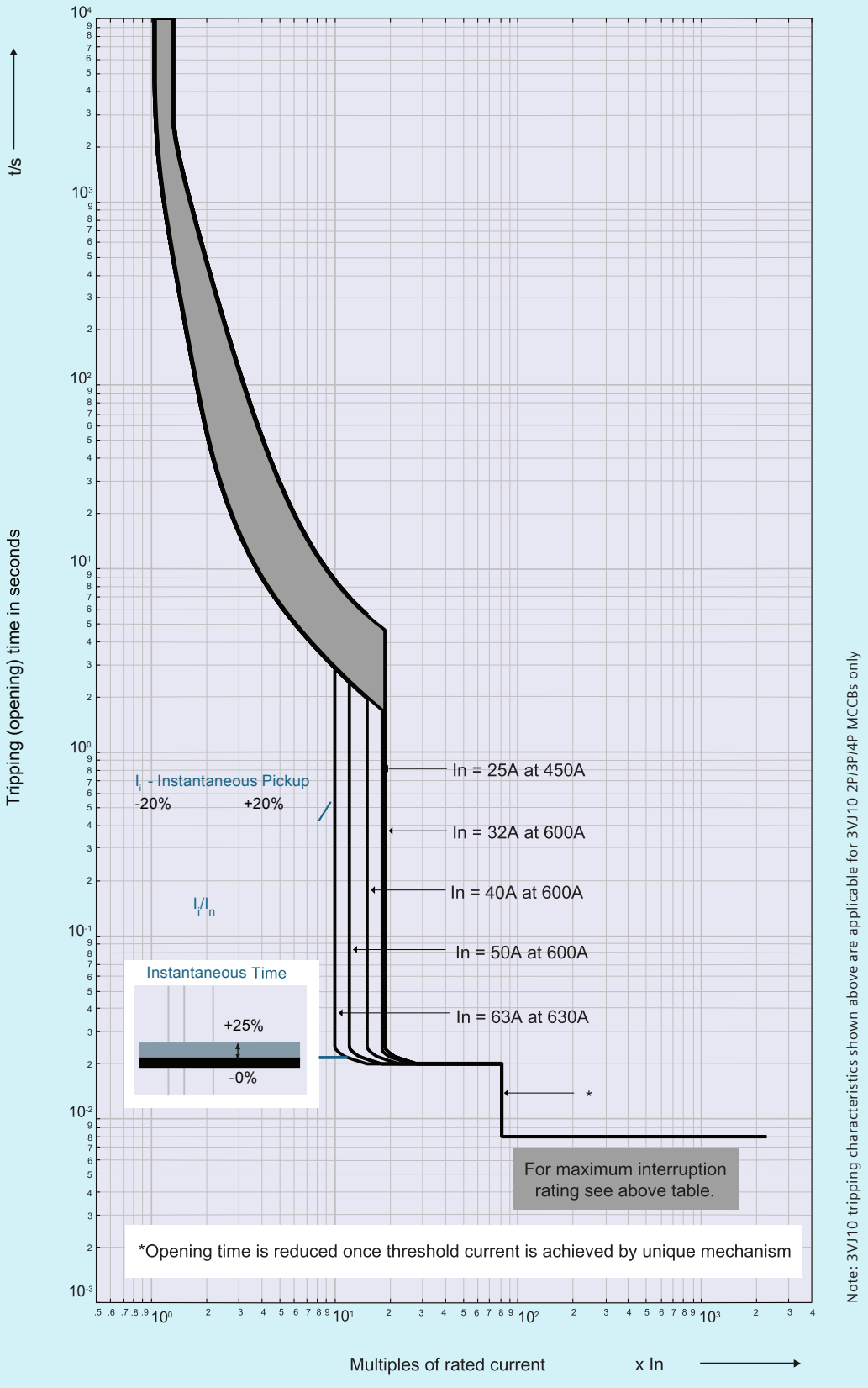
3VJ10 80A-125A FTFM trip unit



Note: 3VJ10 tripping characteristics shown above are applicable for 3VJ10 2P/3P/4P MCCBs only

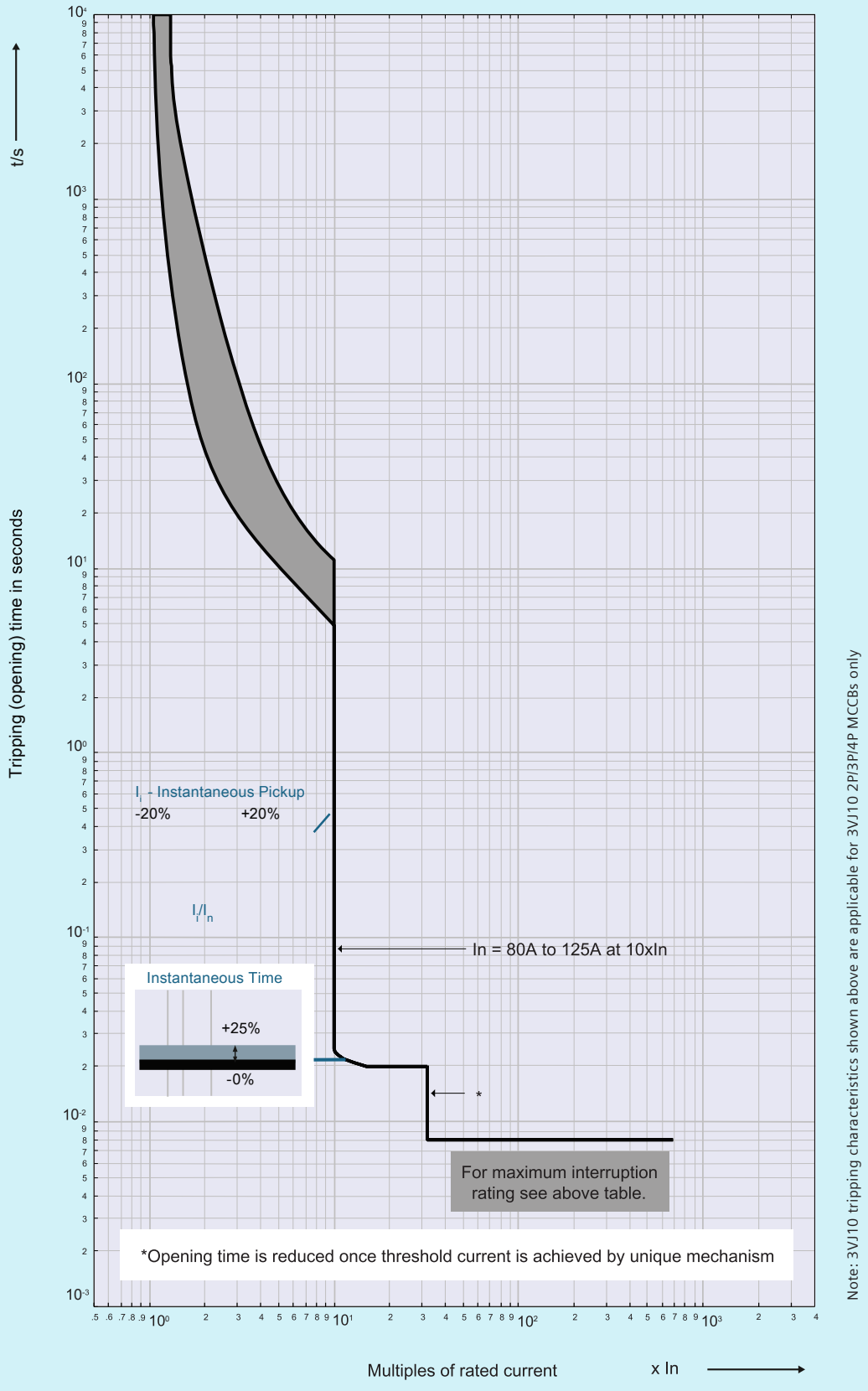
Tripping Characteristics

3VJ11 25A-63A FTFM trip unit



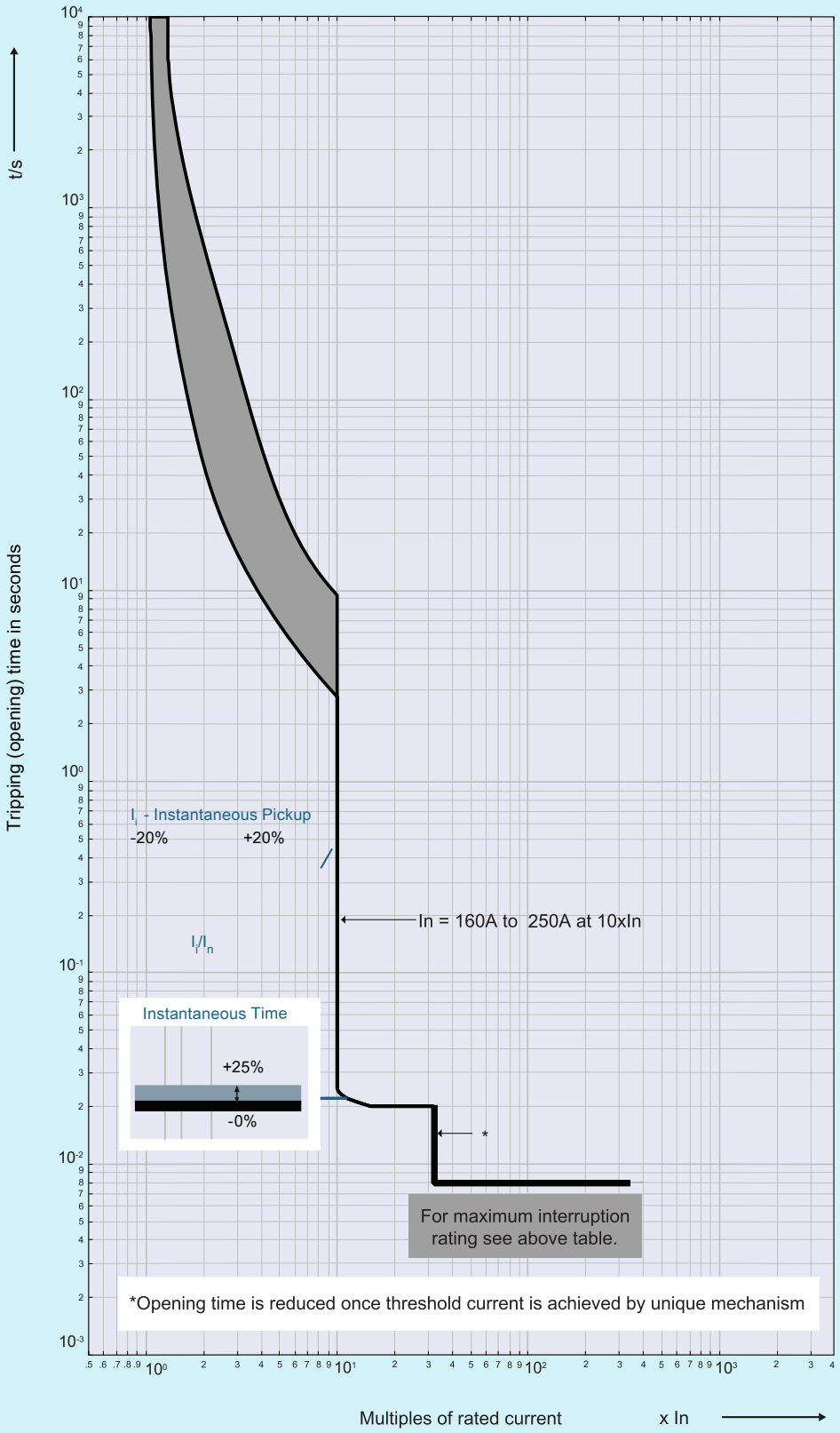
Tripping Characteristics

3VJ11 80A-125A FTFM trip unit



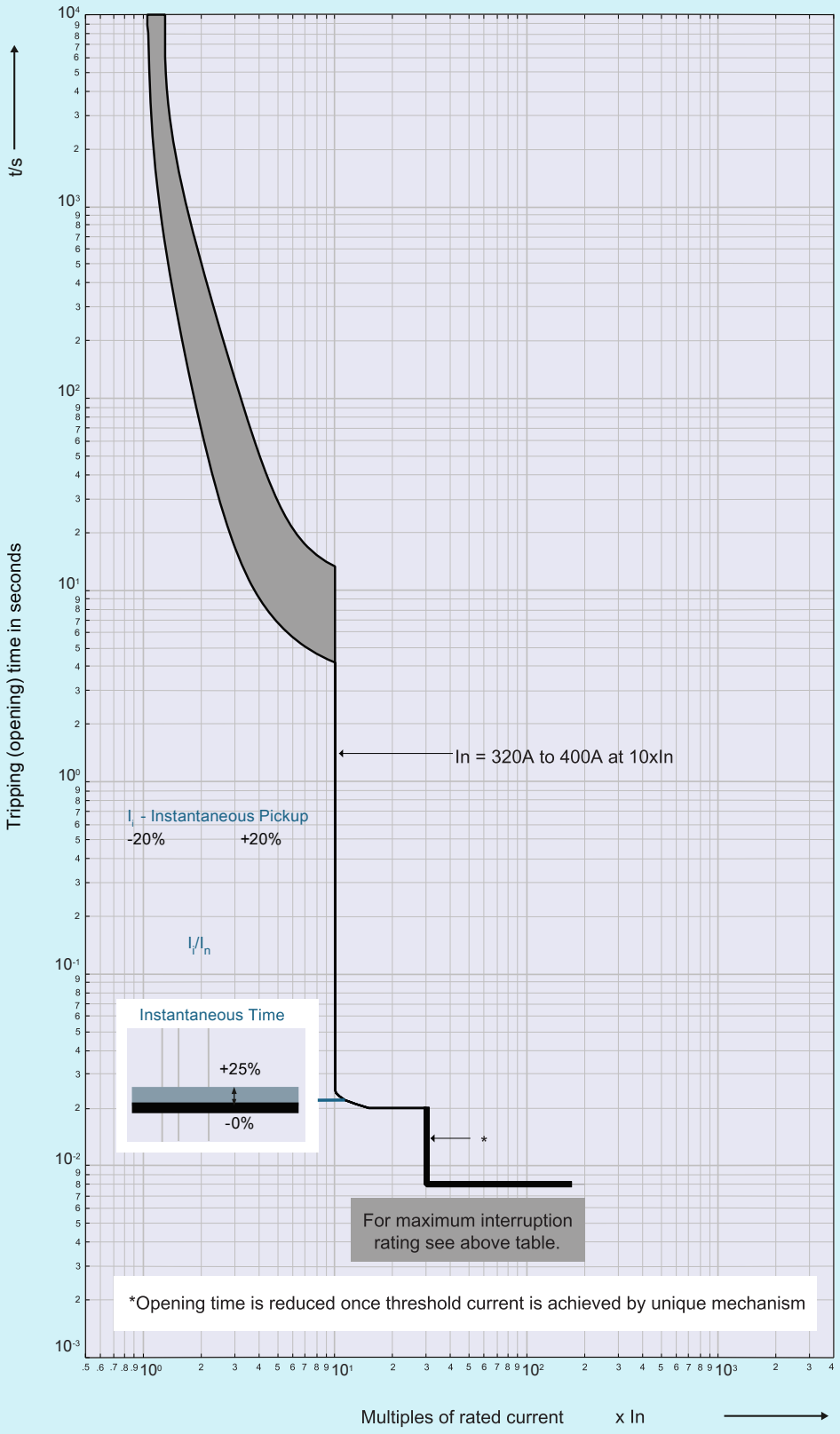
Tripping Characteristics

3VJ12 160A-250A FTFM trip unit



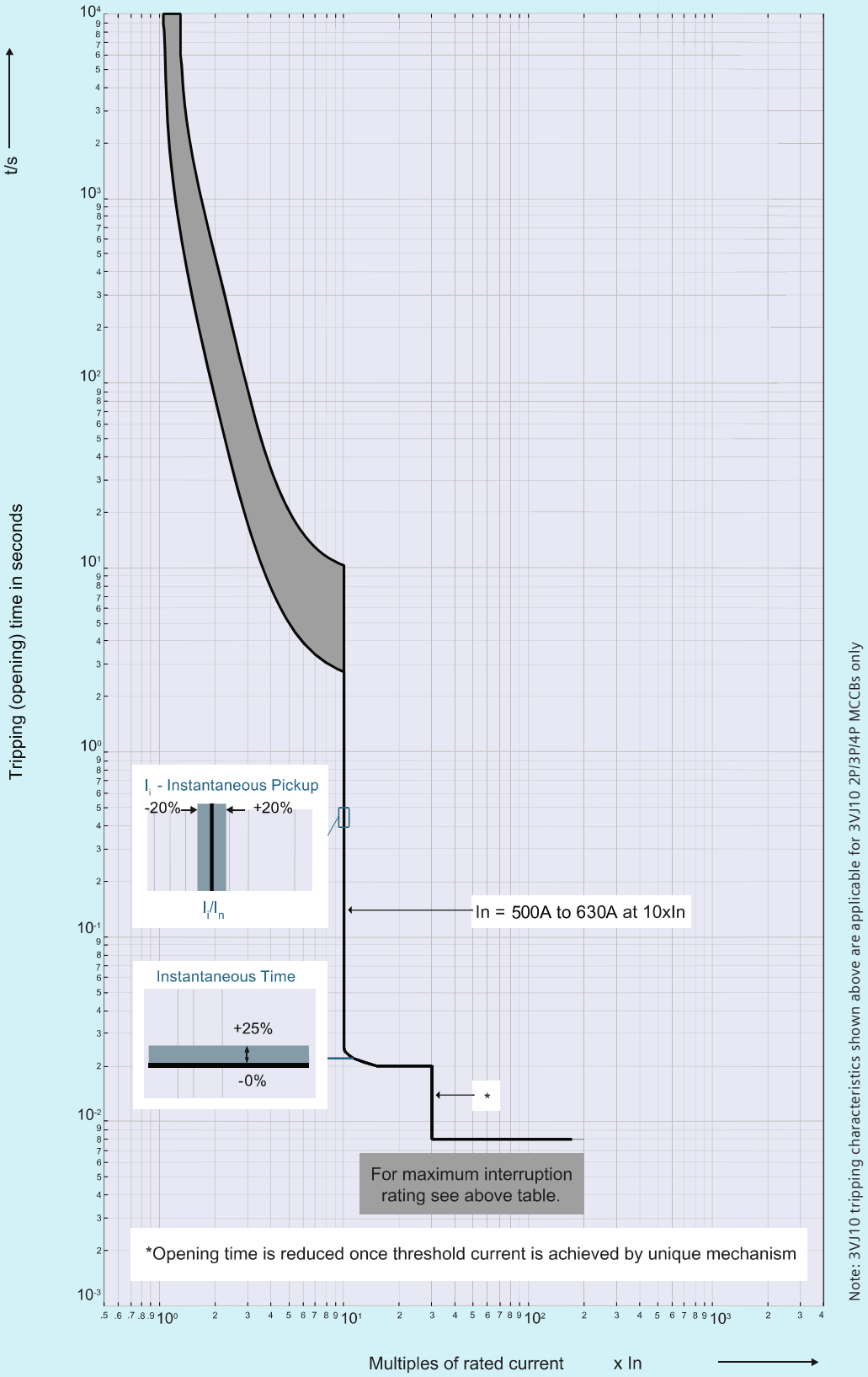
Tripping Characteristics

3VJ13 320A-400A FTFM trip unit



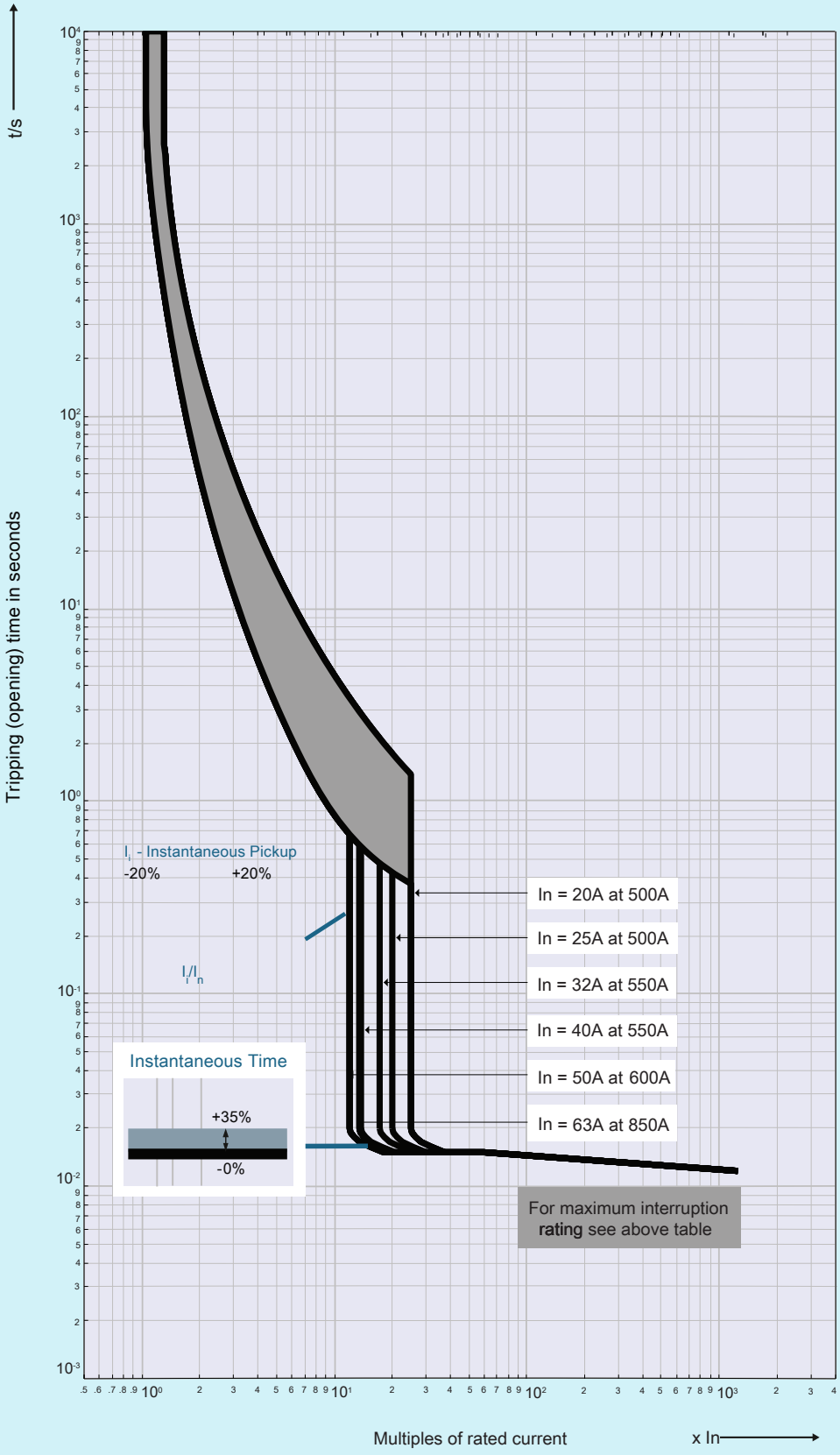
Tripping Characteristics

3VJ14 500A-630A FTFM trip unit



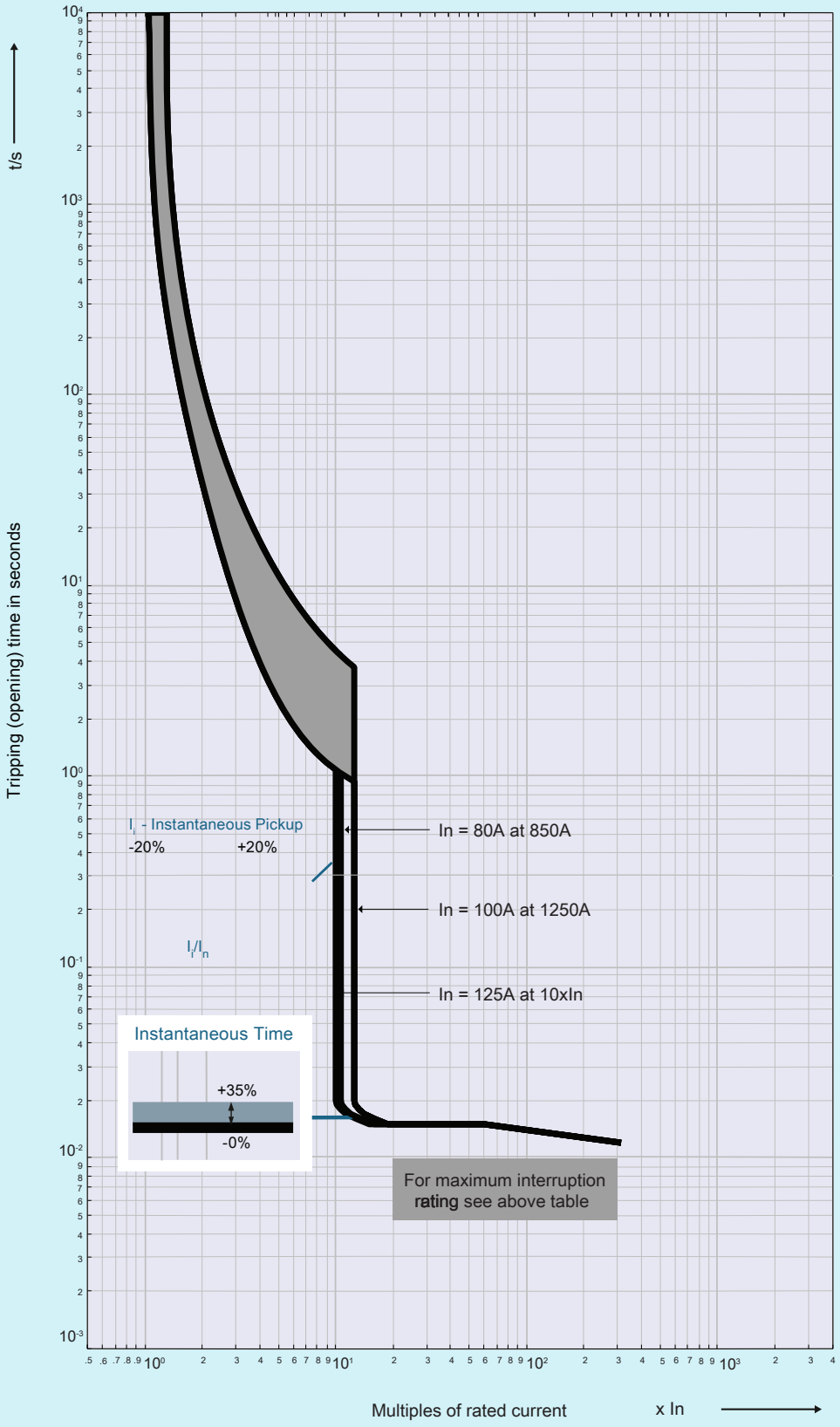
Tripping Characteristics

3VJ10 20A-63A ATFM trip unit



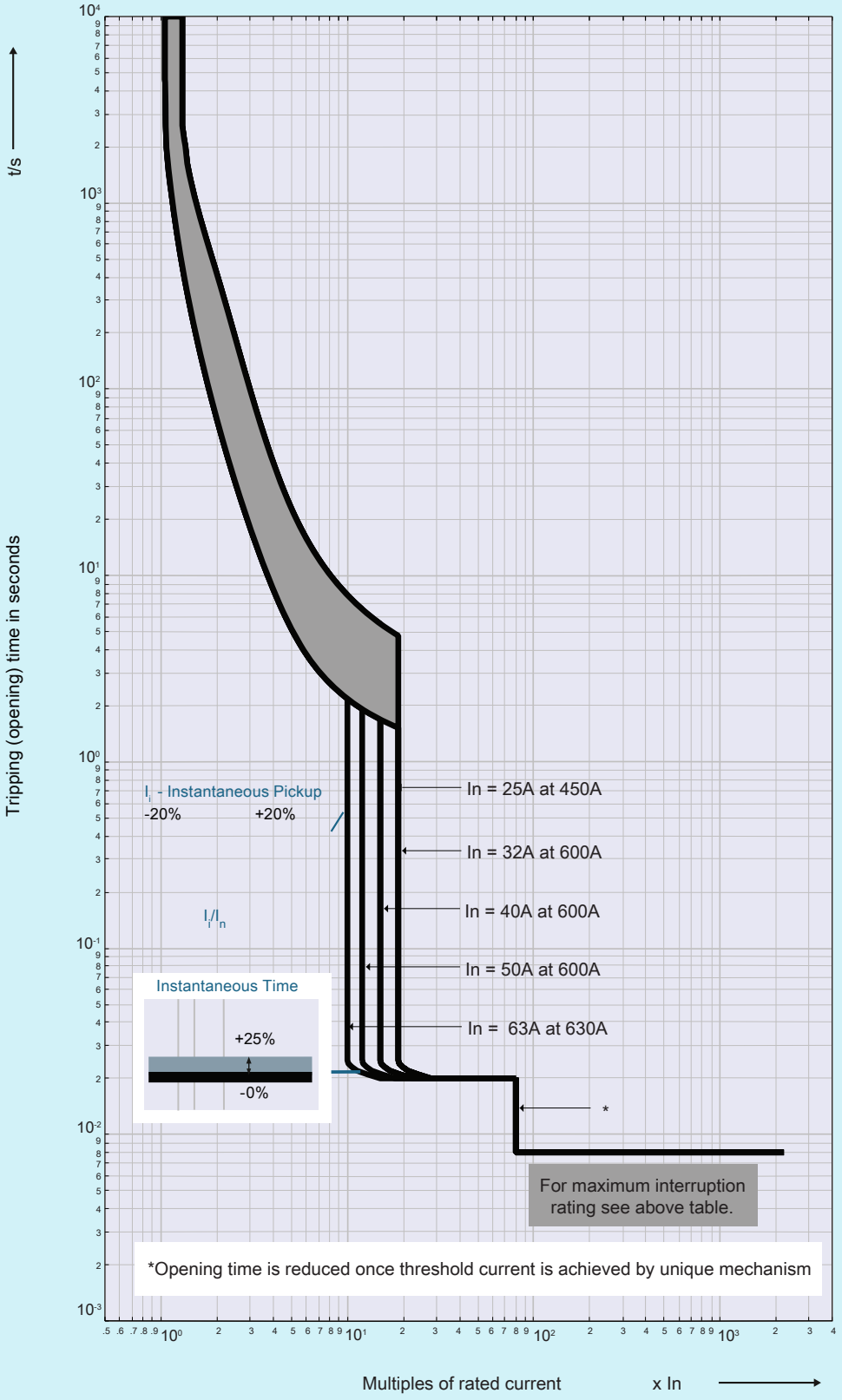
Tripping Characteristics

3VJ10 80A-125A ATFM trip unit



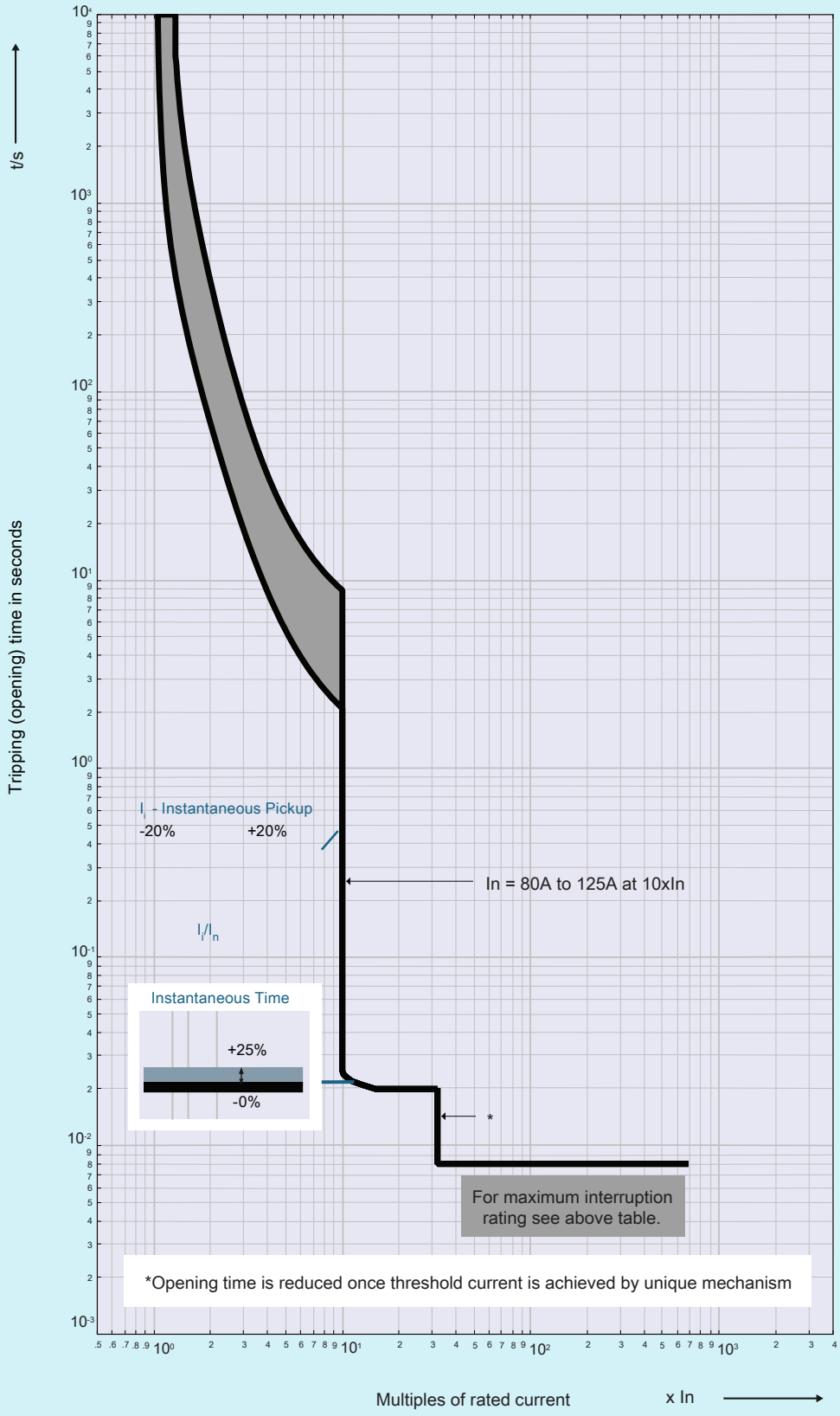
Tripping Characteristics

3VJ11 25A-63A ATFM trip unit



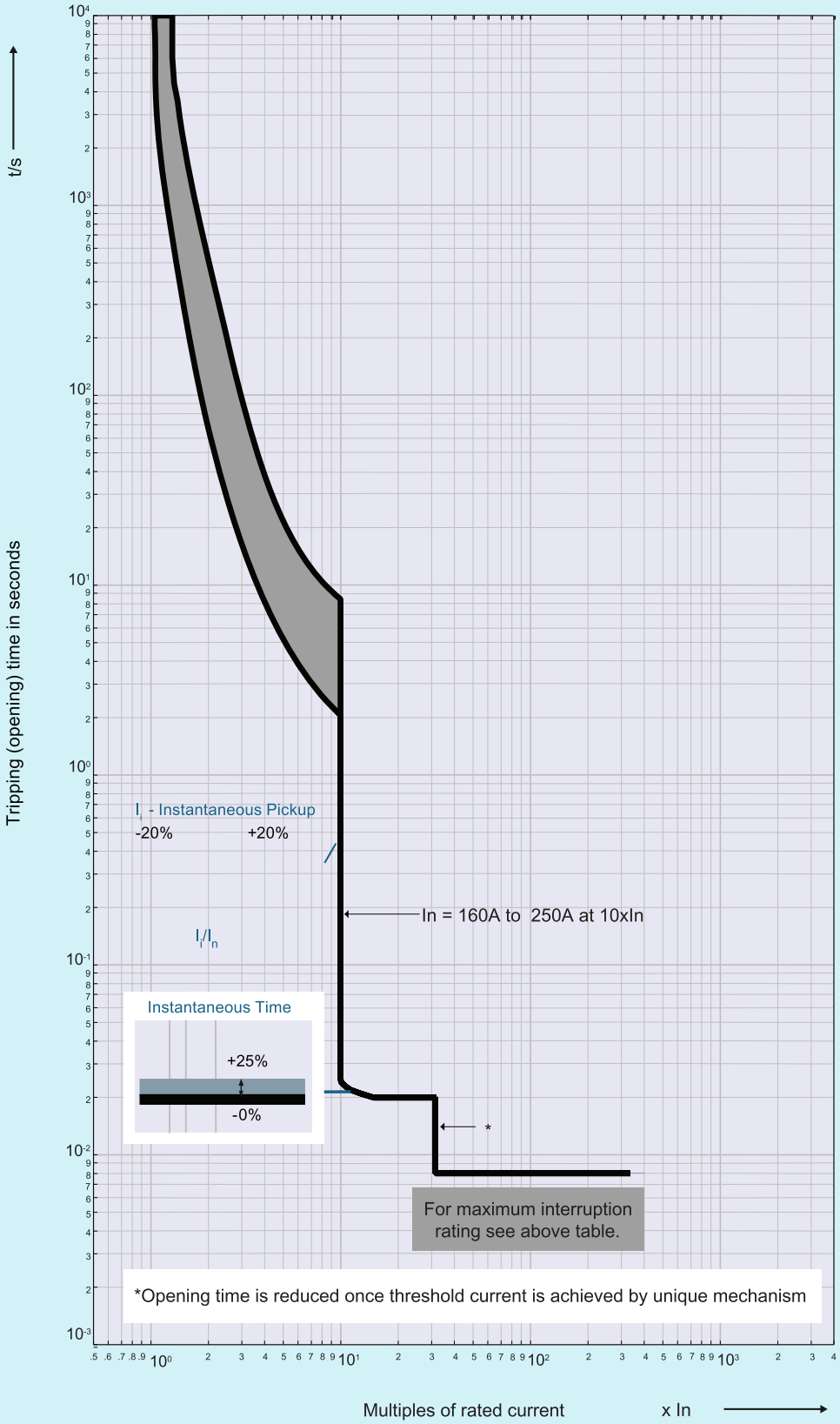
Tripping Characteristics

3VJ11 80A-125A ATFM trip unit



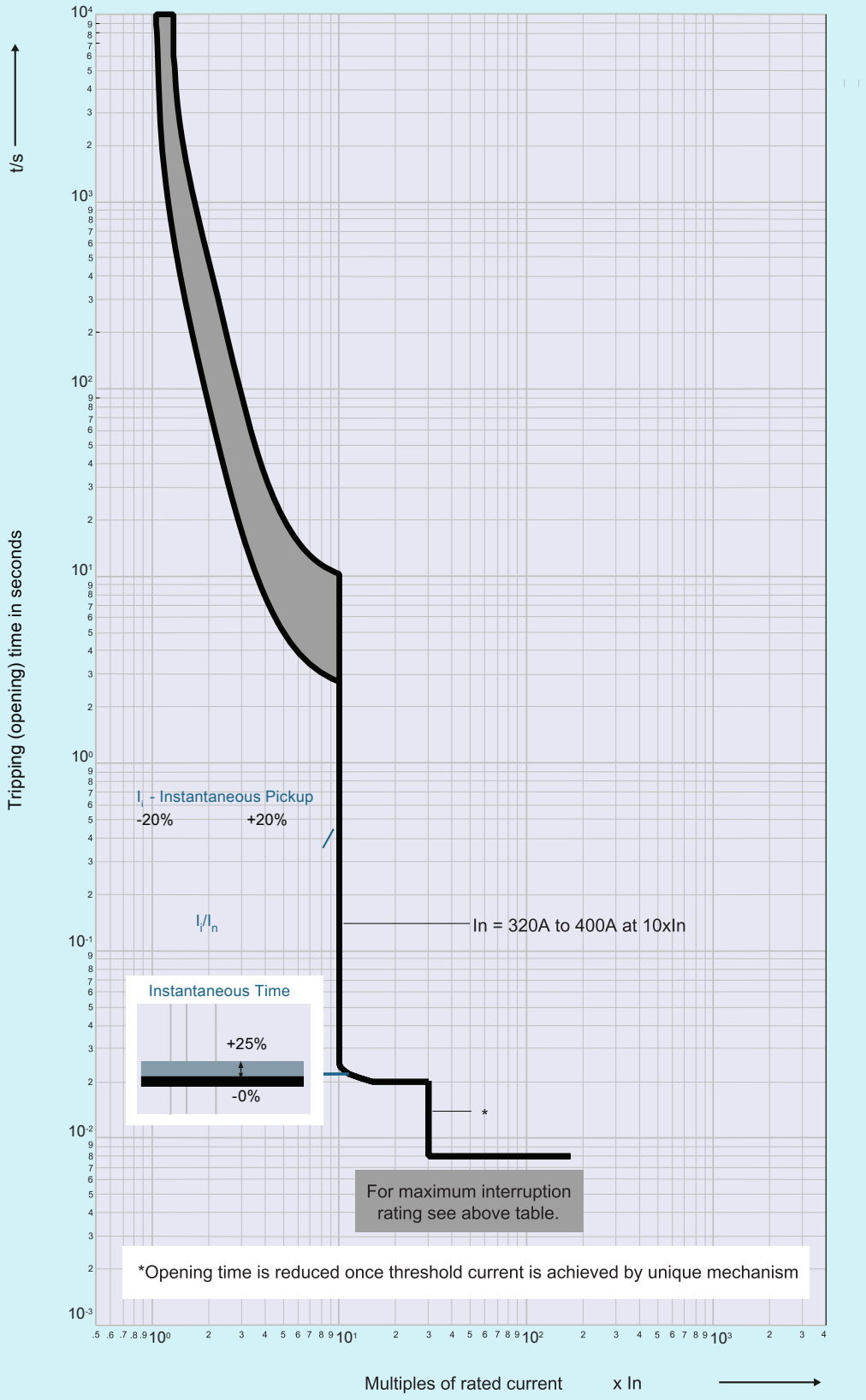
Tripping Characteristics

3VJ12 160A-250A ATFM trip unit



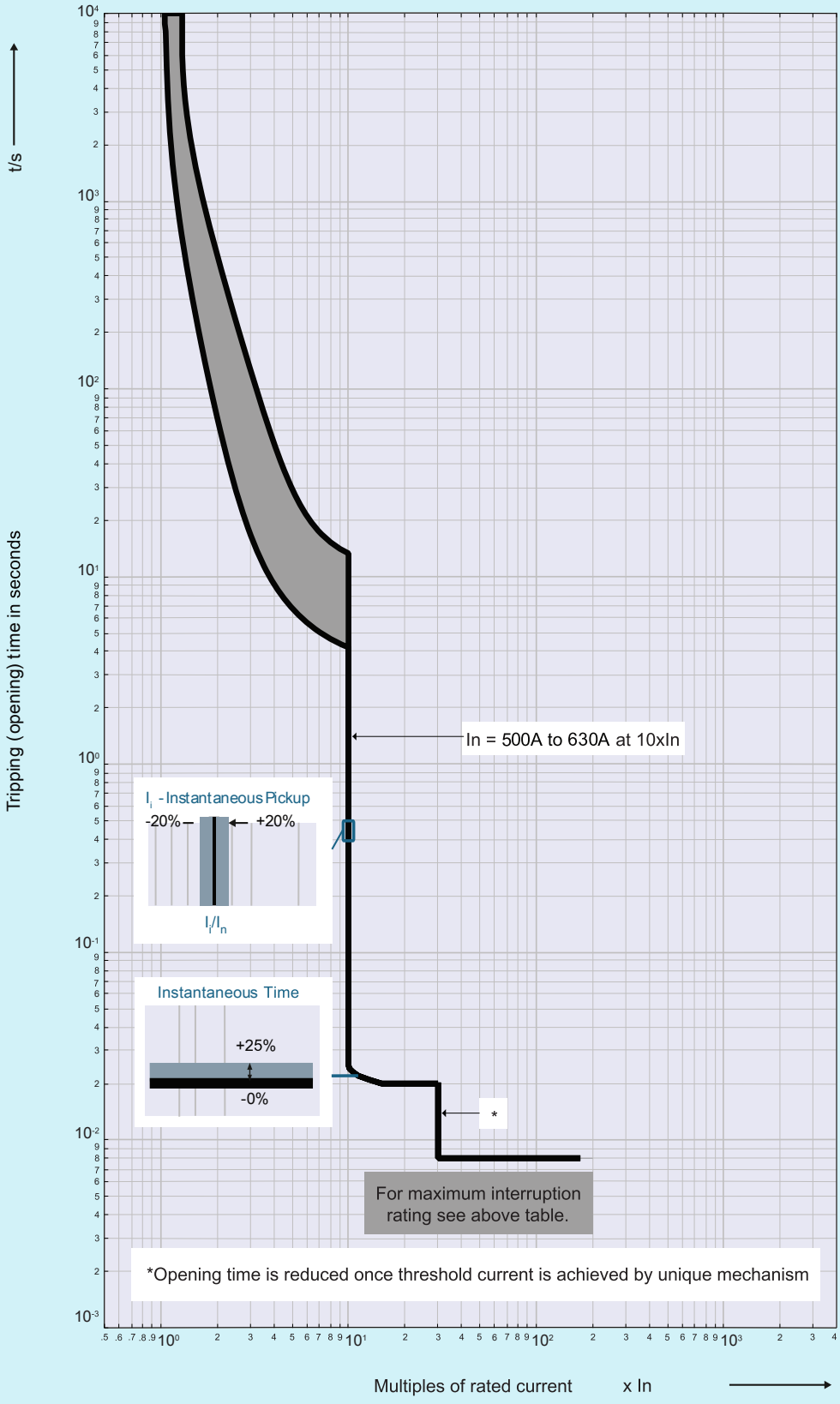
Tripping Characteristics

3VJ13 320A-400A ATFM trip unit



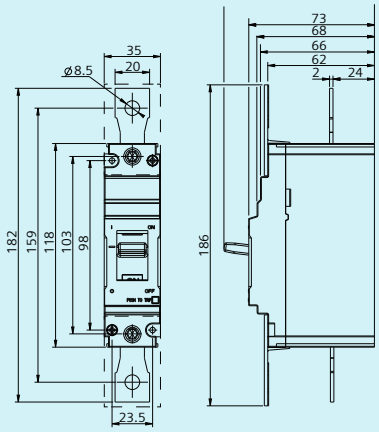
Tripping Characteristics

3VJ13 320A-400A ATFM trip unit

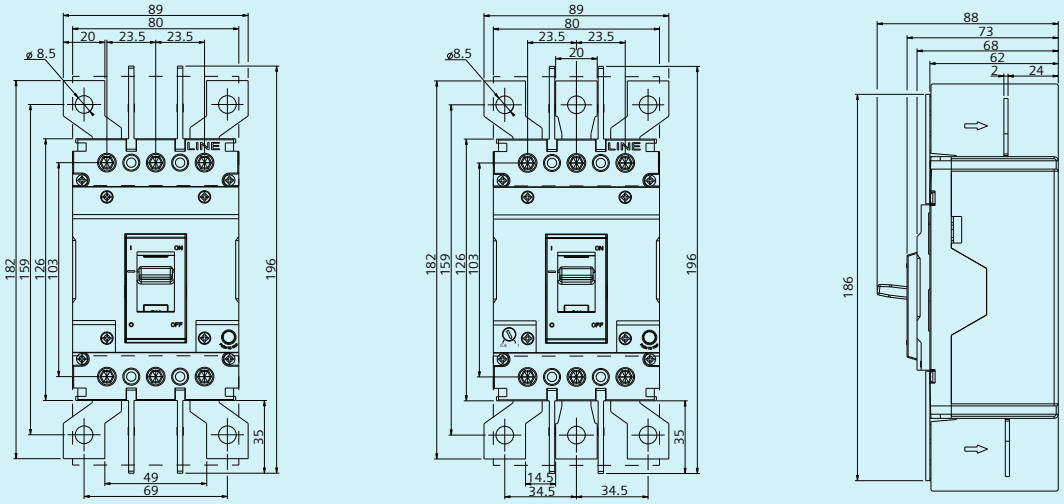


Dimensional Details

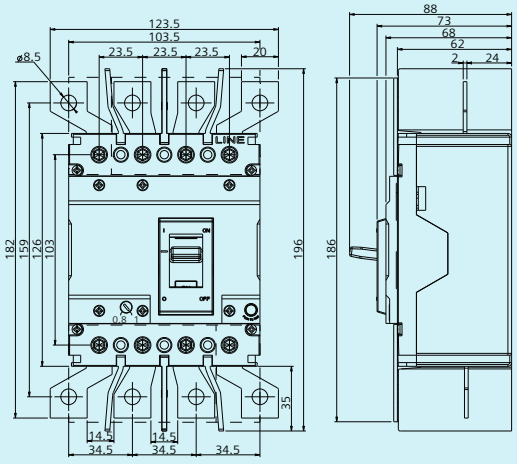
Frame 1x | 3VJ10 1P



Frame 1x | 3VJ10 2P / 3P



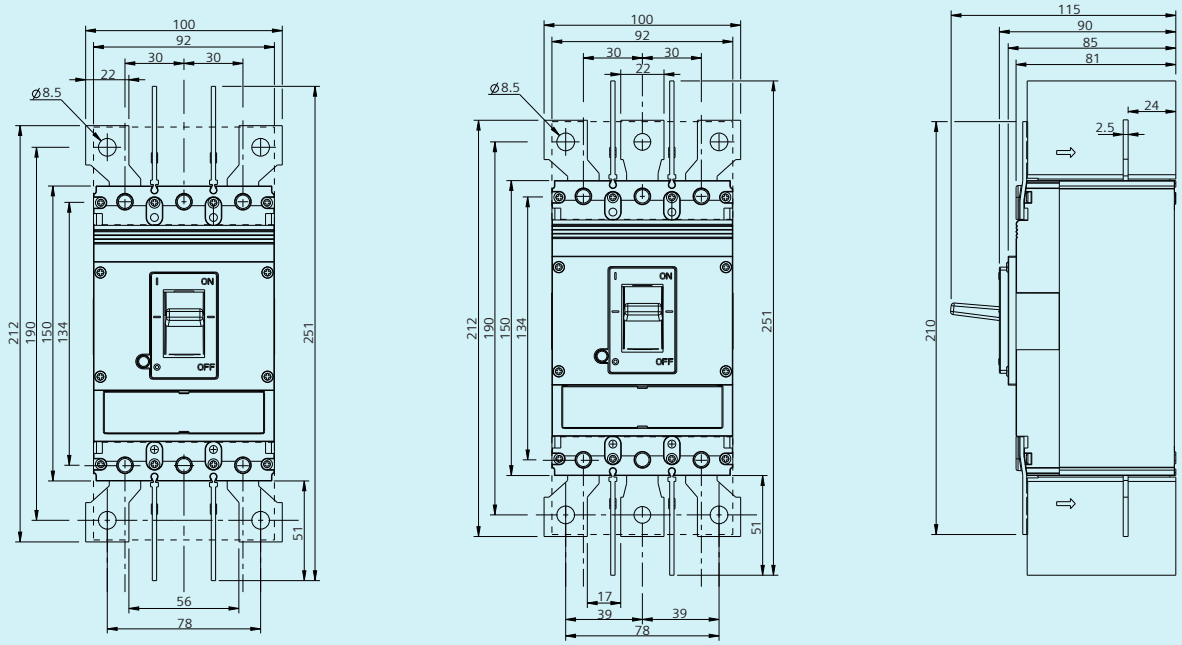
Frame 1x | 3VJ10 4P



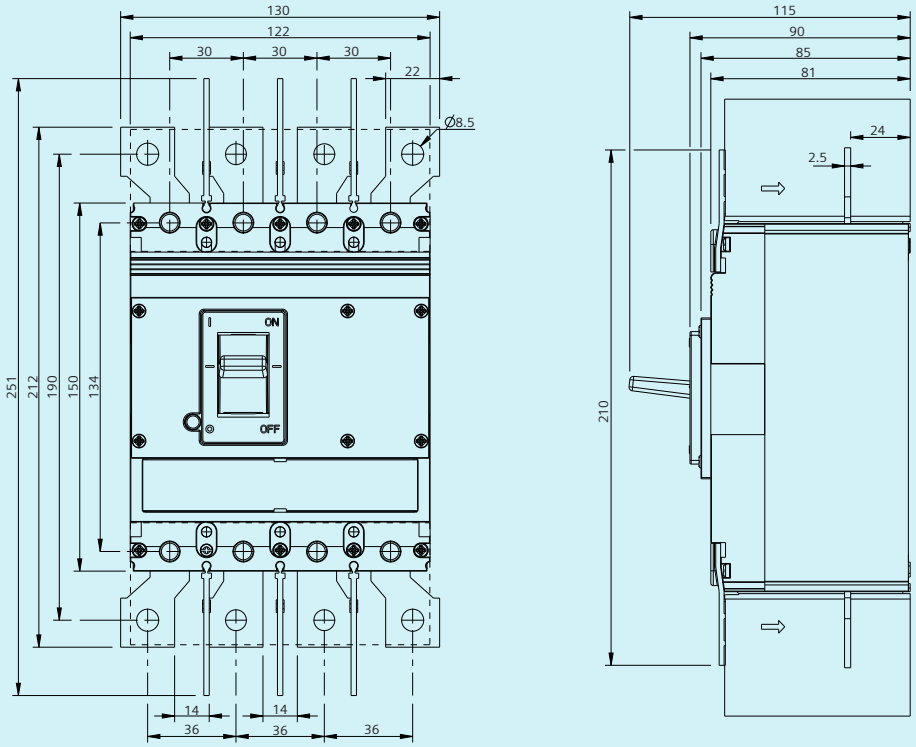
All dimensions are in mm

Dimensional Details

Frame 1 | 3VJ11 2P / 3P



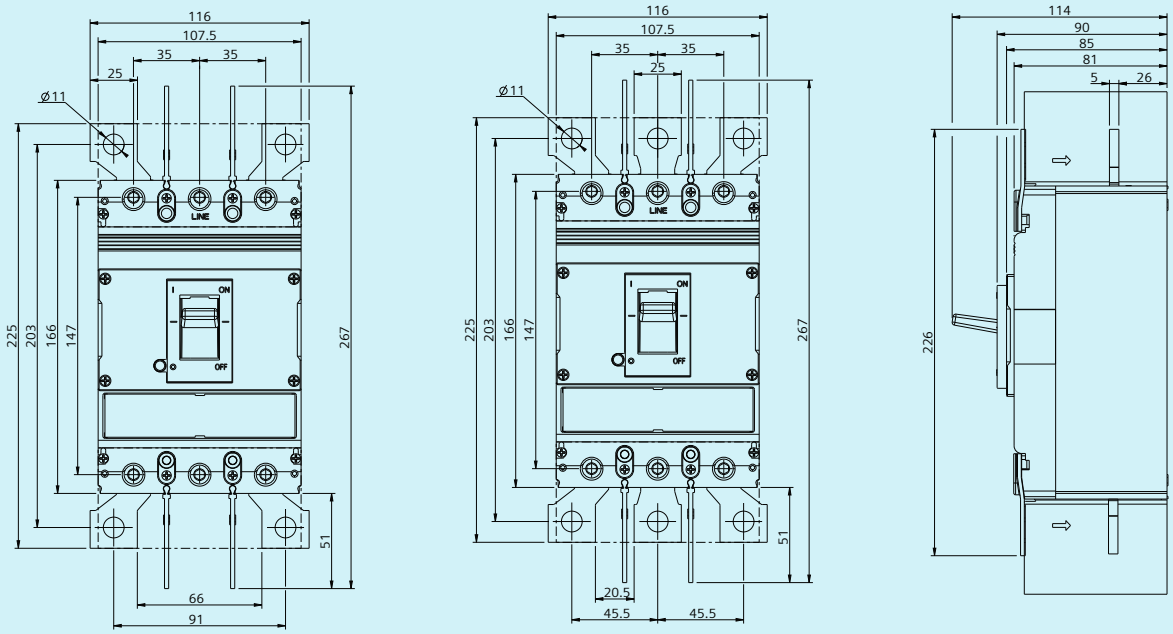
Frame 1 | 3VJ11 4P



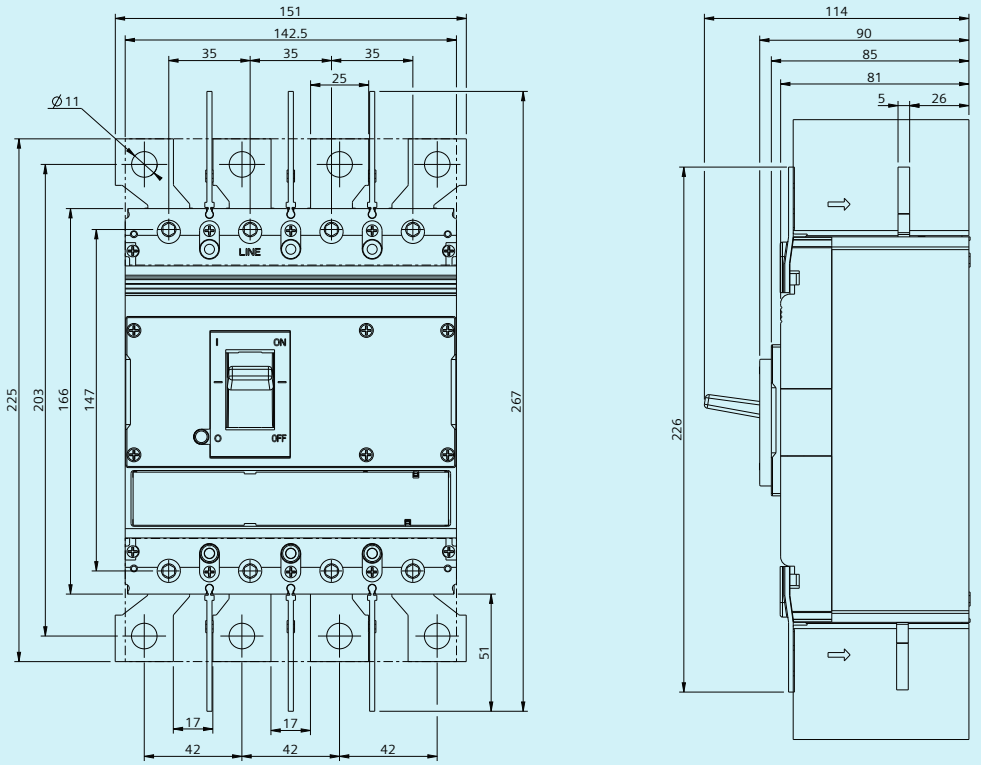
All dimensions are in mm

Dimensional Details

Frame 2 | 3VJ12 2P / 3P



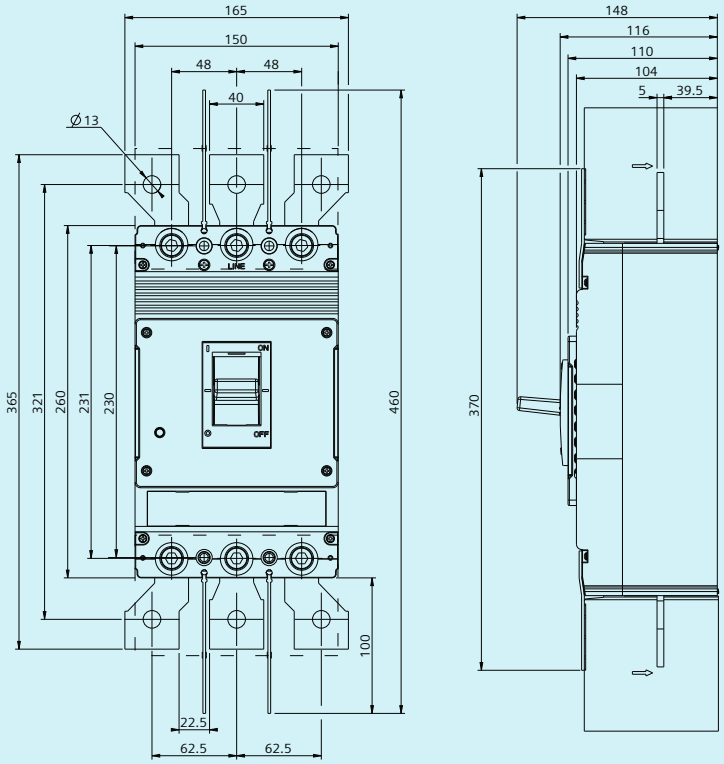
Frame 2 | 3VJ12 4P



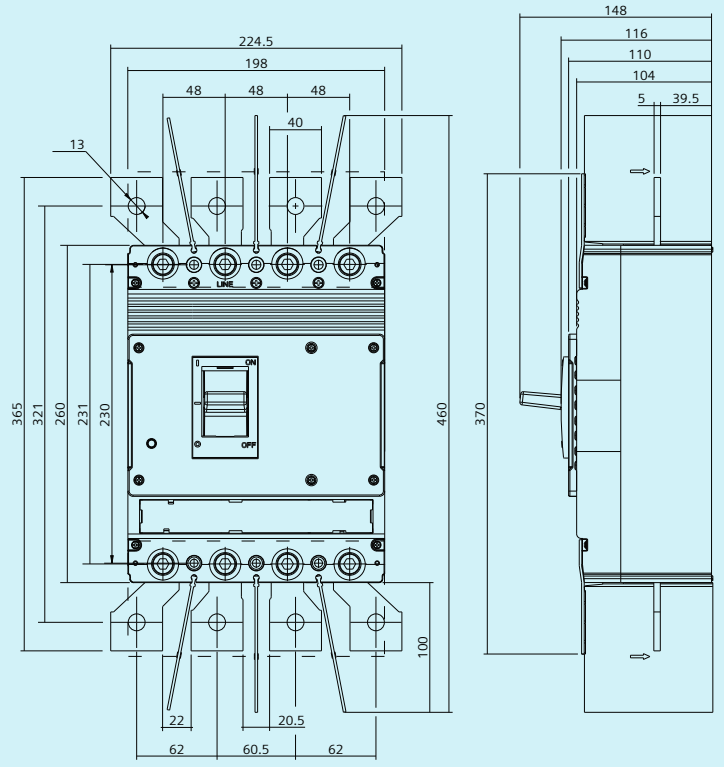
All dimensions are in mm

Dimensional Details

Frame 3 | 3VJ13 3P



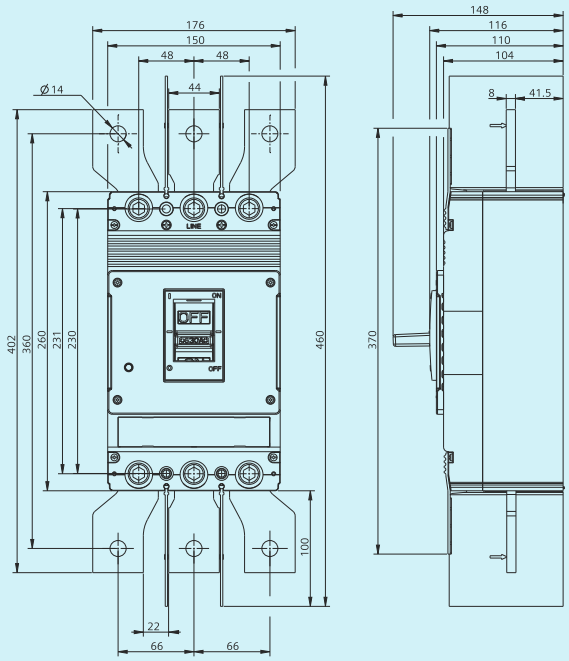
Frame 3 | 3VJ13 4P



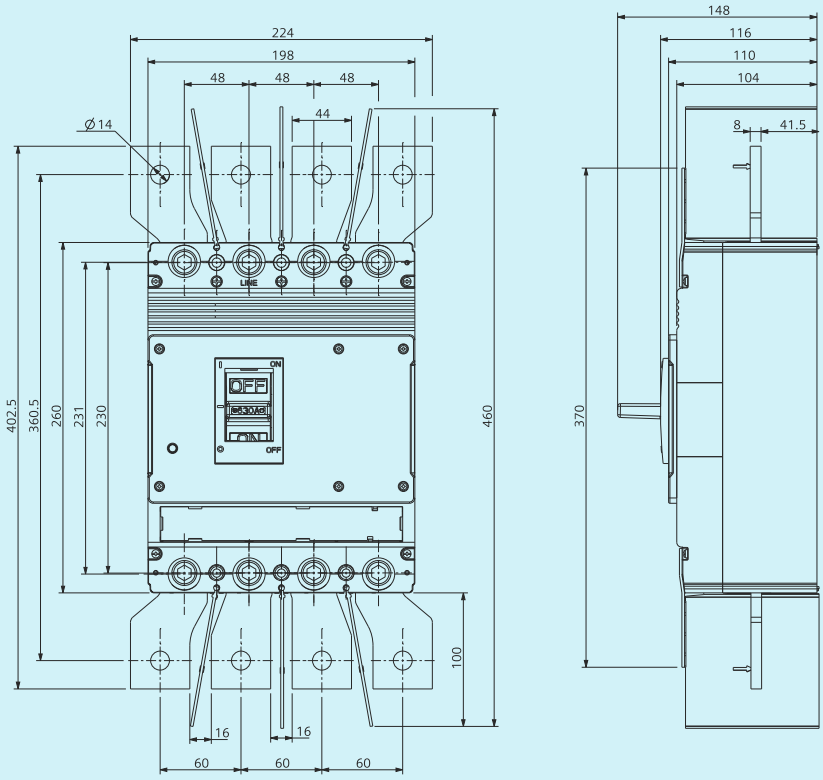
All dimensions are in mm

Dimensional Details

Frame 4 | 3VJ14 3P



Frame 4 | 3VJ14 P



All dimensions are in mm

3VJ10 MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame Size	Breaking Capacity (Icu) @415* AC, 50/60Hz	Rated Current In(A)	1Pole Type No	2Pole Type No
3VJ10 (VJ1 125X)	10kA	20	3VJ1002-0DA12-0AA0	3VJ1002-0DA22-0AA0
		25	3VJ1092-0DA12-0AA0	3VJ1092-0DA22-0AA0
		32	3VJ1003-0DA12-0AA0	3VJ1003-0DA22-0AA0
		40	3VJ1004-0DA12-0AA0	3VJ1004-0DA22-0AA0
		50	3VJ1005-0DA12-0AA0	3VJ1005-0DA22-0AA0
		63	3VJ1006-0DA12-0AA0	3VJ1006-0DA22-0AA0
		80	3VJ1008-0DA12-0AA0	3VJ1008-0DA22-0AA0
		100	3VJ1010-0DA12-0AA0	3VJ1010-0DA22-0AA0
		125	3VJ1012-0DA12-0AA0	3VJ1012-0DA22-0AA0
	18kA	20	3VJ1002-1DA12-0AA0	3VJ1002-1DA22-0AA0
		25	3VJ1092-1DA12-0AA0	3VJ1092-1DA22-0AA0
		32	3VJ1003-1DA12-0AA0	3VJ1003-1DA22-0AA0
		40	3VJ1004-1DA12-0AA0	3VJ1004-1DA22-0AA0
		50	3VJ1005-1DA12-0AA0	3VJ1005-1DA22-0AA0
		63	3VJ1006-1DA12-0AA0	3VJ1006-1DA22-0AA0
		80	3VJ1008-1DA12-0AA0	3VJ1008-1DA22-0AA0
		100	3VJ1010-1DA12-0AA0	3VJ1010-1DA22-0AA0
		125	3VJ1012-1DA12-0AA0	3VJ1012-1DA22-0AA0
	25kA	20	3VJ1002-3DA12-0AA0	3VJ1002-3DA22-0AA0
		25	3VJ1092-3DA12-0AA0	3VJ1092-3DA22-0AA0
		32	3VJ1003-3DA12-0AA0	3VJ1003-3DA22-0AA0
		40	3VJ1004-3DA12-0AA0	3VJ1004-3DA22-0AA0
		50	3VJ1005-3DA12-0AA0	3VJ1005-3EA22-0AA0
		63	3VJ1006-3DA12-0AA0	3VJ1006-3DA22-0AA0
		80	3VJ1008-3DA12-0AA0	3VJ1008-3DA22-0AA0
		100	3VJ1010-3DA12-0AA0	3VJ1010-3DA22-0AA0
		125	3VJ1012-3DA12-0AA0	3VJ1012-3DA22-0AA0

Notes: *240V for 1P MCCBs
Phase barriers for 2P MCCBs and Front barriers for 1P & 2P MCCBs are included in the standard MCCB packing

3VJ10 MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In(A)	3Pole Type No	4Pole Type No
3VJ10 (VJ1 125X)	10kA	20	3VJ1002-0DA32-0AA0	3VJ1002-0EA42-0AA0
		25	3VJ1092-0DA32-0AA0	3VJ1092-0EA42-0AA0
		32	3VJ1003-0DA32-0AA0	3VJ1003-0EA42-0AA0
		40	3VJ1004-0DA32-0AA0	3VJ1004-0EA42-0AA0
		50	3VJ1005-0DA32-0AA0	3VJ1005-0EA42-0AA0
		63	3VJ1006-0DA32-0AA0	3VJ1006-0EA42-0AA0
		80	3VJ1008-0DA32-0AA0	3VJ1008-0EA42-0AA0
		100	3VJ1010-0DA32-0AA0	3VJ1010-0EA42-0AA0
		125	3VJ1012-0DA32-0AA0	3VJ1012-0EA42-0AA0
	18kA	20	3VJ1002-1DA32-0AA0	3VJ1002-1EA42-0AA0
		25	3VJ1092-1DA32-0AA0	3VJ1092-1EA42-0AA0
		32	3VJ1003-1DA32-0AA0	3VJ1003-1EA42-0AA0
		40	3VJ1004-1DA32-0AA0	3VJ1004-1EA42-0AA0
		50	3VJ1005-1DA32-0AA0	3VJ1005-1EA42-0AA0
		63	3VJ1006-1DA32-0AA0	3VJ1006-1EA42-0AA0
		80	3VJ1008-1DA32-0AA0	3VJ1008-1EA42-0AA0
		100	3VJ1010-1DA32-0AA0	3VJ1010-1EA42-0AA0
		125	3VJ1012-1DA32-0AA0	3VJ1012-1EA42-0AA0
	25kA	20	3VJ1002-3DA32-0AA0	3VJ1002-3EA42-0AA0
		25	3VJ1092-3DA32-0AA0	3VJ1092-3EA42-0AA0
		32	3VJ1003-3DA32-0AA0	3VJ1003-3EA42-0AA0
		40	3VJ1004-3DA32-0AA0	3VJ1004-3EA42-0AA0
		50	3VJ1005-3DA32-0AA0	3VJ1005-3EA42-0AA0
		63	3VJ1006-3DA32-0AA0	3VJ1006-3EA42-0AA0
		80	3VJ1008-3DA32-0AA0	3VJ1008-3EA42-0AA0
		100	3VJ1010-3DA32-0AA0	3VJ1010-3EA42-0AA0
		125	3VJ1012-3DA32-0AA0	3VJ1012-3EA42-0AA0

Notes: Phase barriers and Front barriers are included in the standard MCCB packing

3VJ10 MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In(A)	3Pole Type No	4Pole Type No
3VJ10 (VJ1 125X)	10kA	20	3VJ1002-0DB32-0AA0	3VJ1002-0EB42-0AA0
		25	3VJ1092-0DB32-0AA0	3VJ1092-0EB42-0AA0
		32	3VJ1003-0DB32-0AA0	3VJ1003-0EB42-0AA0
		40	3VJ1004-0DB32-0AA0	3VJ1004-0EB42-0AA0
		50	3VJ1005-0DB32-0AA0	3VJ1005-0EB42-0AA0
		63	3VJ1006-0DB32-0AA0	3VJ1006-0EB42-0AA0
		80	3VJ1008-0DB32-0AA0	3VJ1008-0EB42-0AA0
		100	3VJ1010-0DB32-0AA0	3VJ1010-0EB42-0AA0
		125	3VJ1012-0DB32-0AA0	3VJ1012-0EB42-0AA0
	18kA	20	3VJ1002-1DB32-0AA0	3VJ1002-1EB42-0AA0
		25	3VJ1092-1DB32-0AA0	3VJ1092-1EB42-0AA0
		32	3VJ1003-1DB32-0AA0	3VJ1003-1EB42-0AA0
		40	3VJ1004-1DB32-0AA0	3VJ1004-1EB42-0AA0
		50	3VJ1005-1DB32-0AA0	3VJ1005-1EB42-0AA0
		63	3VJ1006-1DB32-0AA0	3VJ1006-1EB42-0AA0
		80	3VJ1008-1DB32-0AA0	3VJ1008-1EB42-0AA0
		100	3VJ1010-1DB32-0AA0	3VJ1010-1EB42-0AA0
		125	3VJ1012-1DB32-0AA0	3VJ1012-1EB42-0AA0
	25kA	20	3VJ1002-3DB32-0AA0	3VJ1002-3EB42-0AA0
		25	3VJ1092-3DB32-0AA0	3VJ1092-3EB42-0AA0
		32	3VJ1003-3DB32-0AA0	3VJ1003-3EB42-0AA0
		40	3VJ1004-3DB32-0AA0	3VJ1004-3EB42-0AA0
		50	3VJ1005-3DB32-0AA0	3VJ1005-3EB42-0AA0
		63	3VJ1006-3DB32-0AA0	3VJ1006-3EB42-0AA0
		80	3VJ1008-3DB32-0AA0	3VJ1008-3EB42-0AA0
		100	3VJ1010-3DB32-0AA0	3VJ1010-3EB42-0AA0
		125	3VJ1012-3DB32-0AA0	3VJ1012-3EB42-0AA0

Notes: Phase barriers and Front barriers are included in the standard MCCB packing

3VJ MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In(A)	2Pole Type No	3Pole Type No	4Pole Type No
3VJ12 (VJ1 250)	18kA	160	3VJ1216-1DA22-0AA0	3VJ1216-1DA32-0AA0	3VJ1216-1EA42-0AA0
		200	3VJ1220-1DA22-0AA0	3VJ1220-1DA32-0AA0	3VJ1220-1EA42-0AA0
		250	3VJ1225-1DA22-0AA0	3VJ1225-1DA32-0AA0	3VJ1225-1EA42-0AA0
3VJ11 (VJ1 125)	25kA	25	3VJ1192-3DA22-0AA0	3VJ1192-3DA32-0AA0	3VJ1192-3EA42-0AA0
		32	3VJ1103-3DA22-0AA0	3VJ1103-3DA32-0AA0	3VJ1103-3EA42-0AA0
		40	3VJ1104-3DA22-0AA0	3VJ1104-3DA32-0AA0	3VJ1104-3EA42-0AA0
		50	3VJ1105-3DA22-0AA0	3VJ1105-3DA32-0AA0	3VJ1105-3EA42-0AA0
		63	3VJ1106-3DA22-0AA0	3VJ1106-3DA32-0AA0	3VJ1106-3EA42-0AA0
		80	3VJ1108-3DA22-0AA0	3VJ1108-3DA32-0AA0	3VJ1108-3EA42-0AA0
		100	3VJ1110-3DA22-0AA0	3VJ1110-3DA32-0AA0	3VJ1110-3EA42-0AA0
		125	3VJ1112-3DA22-0AA0	3VJ1112-3DA32-0AA0	3VJ1112-3EA42-0AA0
3VJ12 (VJ1 250)		160	3VJ1216-3DA22-0AA0	3VJ1216-3DA32-0AA0	3VJ1216-3EA42-0AA0
		200	3VJ1220-3DA22-0AA0	3VJ1220-3DA32-0AA0	3VJ1220-3EA42-0AA0
		250	3VJ1225-3DA22-0AA0	3VJ1225-3DA32-0AA0	3VJ1225-3EA42-0AA0
3VJ13 (VJ1 400)		320	-	3VJ1332-3DA32-0AA0	3VJ1332-3EA42-0AA0
		400	-	3VJ1340-3DA32-0AA0	3VJ1340-3EA42-0AA0
3VJ11 (VJ1 125)	36kA	25	3VJ1192-5DA22-0AA0	3VJ1192-5DA32-0AA0	3VJ1192-5EA42-0AA0
		32	3VJ1103-5DA22-0AA0	3VJ1103-5DA32-0AA0	3VJ1103-5EA42-0AA0
		40	3VJ1104-5DA22-0AA0	3VJ1104-5DA32-0AA0	3VJ1104-5EA42-0AA0
		50	3VJ1105-5DA22-0AA0	3VJ1105-5DA32-0AA0	3VJ1105-5EA42-0AA0
		63	3VJ1106-5DA22-0AA0	3VJ1106-5DA32-0AA0	3VJ1106-5EA42-0AA0
		80	3VJ1108-5DA22-0AA0	3VJ1108-5DA32-0AA0	3VJ1108-5EA42-0AA0
		100	3VJ1110-5DA22-0AA0	3VJ1110-5DA32-0AA0	3VJ1110-5EA42-0AA0
		125	3VJ1112-5DA22-0AA0	3VJ1112-5DA32-0AA0	3VJ1112-5EA42-0AA0
3VJ12 (VJ1 250)		160	3VJ1216-5DA22-0AA0	3VJ1216-5DA32-0AA0	3VJ1216-5EA42-0AA0
		200	3VJ1220-5DA22-0AA0	3VJ1220-5DA32-0AA0	3VJ1220-5EA42-0AA0
		250	3VJ1225-5DA22-0AA0	3VJ1225-5DA32-0AA0	3VJ1225-5EA42-0AA0
3VJ13 (VJ1 400)		320	-	3VJ1332-5DA32-0AA0	3VJ1332-5EA42-0AA0
		400	-	3VJ1340-5DA32-0AA0	3VJ1340-5EA42-0AA0
3VJ14 (VJ1 630)		500	-	3VJ1450-5DA32-0AA0	3VJ1450-5EA42-0AA0
		630	-	3VJ1463-5DA32-0AA0	3VJ1463-5EA42-0AA0

Notes: Phase barriers and Front barriers are included in the standard packing

3VJ MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In(A)	2Pole Type No	3Pole Type No	4Pole Type No
3VJ11 (VJ1 125)	55kA	25	3VJ1192-7DA22-0AA0	3VJ1192-7DA32-0AA0	3VJ1192-7EA42-0AA0
		32	3VJ1103-7DA22-0AA0	3VJ1103-7DA32-0AA0	3VJ1103-7EA42-0AA0
		40	3VJ1104-7DA22-0AA0	3VJ1104-7DA32-0AA0	3VJ1104-7EA42-0AA0
		50	3VJ1105-7DA22-0AA0	3VJ1105-7DA32-0AA0	3VJ1105-7EA42-0AA0
		63	3VJ1106-7DA22-0AA0	3VJ1106-7DA32-0AA0	3VJ1106-7EA42-0AA0
		80	3VJ1108-7DA22-0AA0	3VJ1108-7DA32-0AA0	3VJ1108-7EA42-0AA0
		100	3VJ1110-7DA22-0AA0	3VJ1110-7DA32-0AA0	3VJ1110-7EA42-0AA0
		125	3VJ1112-7DA22-0AA0	3VJ1112-7DA32-0AA0	3VJ1112-7EA42-0AA0
3VJ12 (VJ1 250)		160	3VJ1216-7DA22-0AA0	3VJ1216-7DA32-0AA0	3VJ1216-7EA42-0AA0
		200	3VJ1220-7DA22-0AA0	3VJ1220-7DA32-0AA0	3VJ1220-7EA42-0AA0
		250	3VJ1225-7DA22-0AA0	3VJ1225-7DA32-0AA0	3VJ1225-7EA42-0AA0
3VJ13 (VJ1 400)		320	-	3VJ1332-7DA32-0AA0	3VJ1332-7EA42-0AA0
		400	-	3VJ1340-7DA32-0AA0	3VJ1340-7EA42-0AA0
3VJ14 (VJ1 630)		500	-	3VJ1450-7DA32-0AA0	3VJ1450-7EA42-0AA0
		630	-	3VJ1463-7DA32-0AA0	3VJ1463-7EA42-0AA0

3VJ MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In(A)	3Pole Type No	4Pole Type No
3VJ12 (VJ1 250)	18kA	160	3VJ1216-1DB32-0AA0	3VJ1216-1EB42-0AA0
		200	3VJ1220-1DB32-0AA0	3VJ1220-1EB42-0AA0
		250	3VJ1225-1DB32-0AA0	3VJ1225-1EB42-0AA0
3VJ11 (VJ1 125)	25kA	25	3VJ1192-3DB32-0AA0	3VJ1192-3EB42-0AA0
		32	3VJ1103-3DB32-0AA0	3VJ1103-3EB42-0AA0
		40	3VJ1104-3DB32-0AA0	3VJ1104-3EB42-0AA0
		50	3VJ1105-3DB32-0AA0	3VJ1105-3EB42-0AA0
		63	3VJ1106-3DB32-0AA0	3VJ1106-3EB42-0AA0
		80	3VJ1108-3DB32-0AA0	3VJ1108-3EB42-0AA0
		100	3VJ1110-3DB32-0AA0	3VJ1110-3EB42-0AA0
		125	3VJ1112-3DB32-0AA0	3VJ1112-3EB42-0AA0
3VJ11 (VJ1 125)		160	3VJ1216-3DB32-0AA0	3VJ1216-3EB42-0AA0
		200	3VJ1220-3DB32-0AA0	3VJ1220-3EB42-0AA0
		250	3VJ1225-3DB32-0AA0	3VJ1225-3EB42-0AA0
3VJ13 (VJ1 400)		320	3VJ1332-3DB32-0AA0	3VJ1332-3EB42-0AA0
		400	3VJ1340-3DB32-0AA0	3VJ1340-3EB42-0AA0

Notes: Phase barriers and Front barriers are included in the standard packing

3VJ MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In(A)	3Pole Type No	4Pole Type No
3VJ11 (VJ1 125)	36kA	25	3VJ1192-5DB32-0AA0	3VJ1192-5EB42-0AA0
		32	3VJ1103-5DB32-0AA0	3VJ1103-5EB42-0AA0
		40	3VJ1104-5DB32-0AA0	3VJ1104-5EB42-0AA0
		50	3VJ1105-5DB32-0AA0	3VJ1105-5EB42-0AA0
		63	3VJ1106-5DB32-0AA0	3VJ1106-5EB42-0AA0
		80	3VJ1108-5DB32-0AA0	3VJ1108-5EB42-0AA0
		100	3VJ1110-5DB32-0AA0	3VJ1110-5EB42-0AA0
		125	3VJ1112-5DB32-0AA0	3VJ1112-5EB42-0AA0
3VJ12 (VJ1 250)		160	3VJ1216-5DB32-0AA0	3VJ1216-5EB42-0AA0
		200	3VJ1220-5DB32-0AA0	3VJ1220-5EB42-0AA0
		250	3VJ1225-5DB32-0AA0	3VJ1225-5EB42-0AA0
3VJ13 (VJ1 400)		320	3VJ1332-5DB32-0AA0	3VJ1332-5EB42-0AA0
		400	3VJ1340-5DB32-0AA0	3VJ1340-5EB42-0AA0
3VJ14 (VJ1 630)		500	3VJ1450-5DB32-0AA0	3VJ1450-5EB42-0AA0
		630	3VJ1463-5DB32-0AA0	3VJ1463-5EB42-0AA0
3VJ11 (VJ1 125)	55kA	25	3VJ1192-7DB32-0AA0	3VJ1192-7EB42-0AA0
		32	3VJ1103-7DB32-0AA0	3VJ1103-7EB42-0AA0
		40	3VJ1104-7DB32-0AA0	3VJ1104-7EB42-0AA0
		50	3VJ1105-7DB32-0AA0	3VJ1105-7EB42-0AA0
		63	3VJ1106-7DB32-0AA0	3VJ1106-7EB42-0AA0
		80	3VJ1108-7DB32-0AA0	3VJ1108-7EB42-0AA0
		100	3VJ1110-7DB32-0AA0	3VJ1110-7EB42-0AA0
		125	3VJ1112-7DB32-0AA0	3VJ1112-7EB42-0AA0
3VJ12 (VJ1 250)		160	3VJ1216-7DB32-0AA0	3VJ1216-7EB42-0AA0
		200	3VJ1220-7DB32-0AA0	3VJ1220-7EB42-0AA0
		250	3VJ1225-7DB32-0AA0	3VJ1225-7EB42-0AA0
3VJ13 (VJ1 400)		320	3VJ1332-7DB32-0AA0	3VJ1332-7EB42-0AA0
		400	3VJ1340-7DB32-0AA0	3VJ1340-7EB42-0AA0
3VJ14 (VJ1 630)		500	3VJ1450-7DB32-0AA0	3VJ1450-7EB42-0AA0
		630	3VJ1463-7DB32-0AA0	3VJ1463-7EB42-0AA0

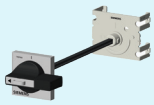
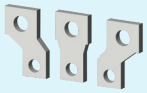
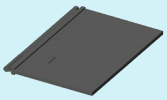
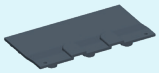
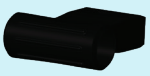
Notes: Phase barriers and Front barriers are included in the standard packing

3VJ Internal Accessories

Frame Size / Accessory	Reference Image	Accessory compart-ment/coil voltage	3VJ10 (VJ1 125X)	3VJ11 (VJ1 125)	3VJ12 (VJ1 250)	3VJ13 (VJ1 400)	3VJ14 (VJ1 630)
Auxiliary Switches		Left	3VJ9018-0AN11	3VJ9218-0AN11		3VJ9417-0AN11	
		Right	-	3VJ9218-0AN21		3VJ9417-0AN21	
Alarm Switches		Left	3VJ9018-0AA11	3VJ9118-0AA11	3VJ9218-0AA11	3VJ9417-0AA11	
		Right	-	3VJ9118-0AA21	3VJ9218-0AA21	3VJ9417-0AA21	
Auxiliary + Alarm Switches		Left	3VJ9018-0AD11	3VJ9118-0AD11	3VJ9218-0AD11	3VJ9417-0AD11	
		Right	-	3VJ9118-0AD21	3VJ9218-0AD21	3VJ9417-0AD21	
Shunt Trip (Right)		24V DC	*	3VJ9218-0ST11		-	
		24V AC/DC	-	-		3VJ9417-0ST21	
		48V DC	*	3VJ9218-0ST12		-	
		48V AC/DC	-	-		3VJ9417-0ST22	
		110V DC	3VJ9018-0ST15	3VJ9218-0ST15		-	
		110V AC/DC	-	-		3VJ9417-0ST25	
		110V AC	3VJ9018-0ST35	3VJ9218-0ST35		-	
		220V AC	3VJ9018-0ST36	3VJ9218-0ST36		3VJ9417-0ST36	
		415V AC	3VJ9018-0ST37	3VJ9218-0ST37		3VJ9417-0ST37	
Under-voltage Release (Left)		24V DC	-	3VJ9218-0UV11		-	
		48V DC		3VJ9218-0UV12		-	
		220V AC		3VJ9218-0UV36		3VJ9417-0UV36	
		415V AC		3VJ9218-0UV37		3VJ9417-0UV37	

Notes:
Internal accessories are available only for 2P, 3P & 4P MCCBs
3VJ9218-0ST..shunt releases can be used with 3VJ11(Frame VJ1 125) & 3VJ12(Frame VJ1 250) only
- : NA
* : Coming soon

3VJ External Accessories

Frame Size / Accessory	Reference Image	3VJ10 (VJ1 125X)	3VJ11 (VJ1 125)	3VJ12 (VJ1 250)	3VJ13 (VJ1 400)	3VJ14 (VJ1 630)
Extended Door Mounted Rotary Operator (including 8UC handle)@		3VJ9018-0HD11	3VJ9118-0HD11	3VJ9218-0HD11	3VJ9417-0HD11	
Extended terminals#		3VJ9011-0EC00 (1P)	-	-	-	
Spreader Links^		3VJ9012-0ED00 (2P)	3VJ9112-0ED00 (2P)	3VJ9212-0ED00 (2P)	-	
		3VJ9013-0ED00 (3P)	3VJ9113-0ED00 (3P)	3VJ9213-0ED00 (3P)	3VJ9313-0ED00	3VJ9413-0ED00
		3VJ9014-0ED00 (4P)	3VJ9114-0ED00 (4P)	3VJ9214-0ED00 (4P)	3VJ9314-0ED00	3VJ9414-0ED00
Phase Barriers*		3VJ9018-0CA00	3VJ9218-0CA00		3VJ9417-0CA00	
Front Barriers$		3VJ9011-0CJ10 (1P)	-	-	-	
		3VJ9016-0CJ30 (2P/3P)	3VJ9116-0CJ30 (2P/3P)	3VJ9216-0CJ30 (2P/3P)	3VJ9413-0CJ30 (3P)	
			3VJ9114-0CJ40 (4P)	3VJ9214-0CJ40 (4P)	3VJ9414-0CJ40 (4P)	
Toogle handle extension		-	-	-	3VJ9417-0DH10	
MIL		-	3VJ9116-0VM10 (2P, 3P)	3VJ9216-0VM10 (2P, 3P)	3VJ9313-0VM10 (3P)	
		-	3VJ9114-0VM10 (4P)	3VJ9214-0VM10 (4P)	3VJ9314-0VM10 (4P)	
Padlock		-	3VJ91180-LM10	3VJ92180LM10	3VJ93170LM10	
Enclosure		3VJ9016-0DE11 (2P, 3P)	3VJ9116-0DE11 (2P, 3P)	3VJ9216-0DE12 (2P, 3P)	-	-
		3VJ9014-0DE11 (4P)	3VJ9114-0DE11 (4P)	3VJ9214-0DE12 (4P)	-	-

Notes:
@ 1 set contains rotary mechanism, coupler, shaft and 8UC handle. Rotary operators are not available for 1P 3VJ MCCBs
^ Spreader link 1 set = 2 nos. links in case of 2 pole; and 3 nos. links in case of 3 pole; and 4 nos. links in case of 4 pole.
# Extended terminals 1 set = 2 nos. links
*Available as a spare; 1 set contains 2 phase barriers
$Available as a spare; 1 set contains 2 front barriers (top & bottom)

Toggle handle extension is included in the standard packing of 3VJ13 and 3VJ14 (VJ1 400 & 630) MCCB.

The SINOVA range of products are ideal for infrastructure, buildings, utilities and industrial applications. It packs full features for cost-efficient power distribution, switching and control that is both reliable and safe. The portfolio also features comprehensive product ranges that are designed for a variety of applications, giving users Siemens trusted quality. Simply Efficient, this is the SINOVA way.

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