

SIEMENS



3VJ molded case circuit breakers

SINOVA The Power of **Simplicity**

Discover The Power of **Simplicity** with SINOVA

Backed by Siemens quality standards, SINOVA introduces exceptional ease of operation and cost-efficiency to electrical installations in buildings, utilities, industries, and infrastructure applications.

Our low-voltage electrical products offer protection, control, switching, and metering capabilities that help promote efficiency across the value chain, optimizing OPEX, CAPEX, and reducing environmental impact.

We are continuously driven to innovate and provide simple and reliable solutions. Inspired by efficiency and simplicity, we strive to empower industry professionals to streamline processes and complete projects quicker every time.



3VJ molded case circuit breakers

Product **highlights**



Compact

Our compact molded case circuit breakers fit easily into enclosures and switchboards, reducing overall module size.



Efficient

Our user-friendly molded case circuit breakers optimize operational efficiency and save energy, making them a cost-effective power distribution solution.



Reliable & safe

Designed to meet Siemens quality standards for reliable performance and 100% rated neutral operation for demanding applications.



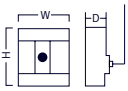
Versatile

With a wide range of accessories, interchangeable neutral pole positioning, and various breaking capacities, our molded case circuit breakers provide flexibility for different installation requirements.

SINOVA The Power of **Simplicity**

Technical specifications

3VJ molded case circuit breakers

																			
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°C ambient temperature		16-125	16-125	16-125	160-250	320-400	500-630												
Rated operational voltage Use 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

Thermal magnetic trip unit

3VJ molded case circuit breakers offer flexible 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 the tripping characteristic of individual frames.

Fixed Thermal Fixed Magnetic (FTFM)

li=... +45° C 3VJ11... DA32-0AA0 Ir=In

In=...



Adjustable Thermal Fixed Magnetic (ATFM)

li=... +45° C 3VJ11... DB32-0AA0 Ir=xIn

In=...

0.8 0.9 1



Certifications

- EN 60947-2
- IEC 60947-2
- Pollution degree III
- RoHS compliant
- IEC certification by independent laboratories

Accessories

In addition to the basic protection units of 3VJ molded case circuit breakers, we also offer accessory components to cater to your specific power distribution requirements.

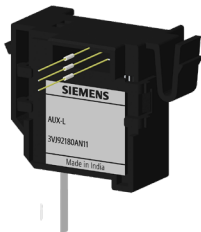
Internal accessories

3VJ molded case circuit breakers offer 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.

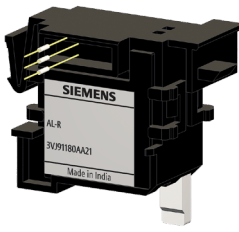
Auxiliary switches

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 provides a high degree of flexibility in installation.

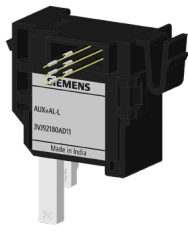
The different types of auxiliary switches:



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 breakers.

Undervoltage releases

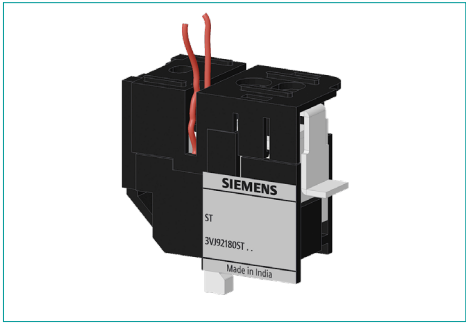
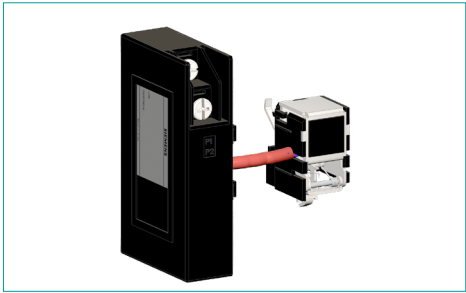
Undervoltage releases trip the molded case circuit breakers in the event that the rated voltage of a monitored circuit drops below a minimum permissible limit or fails. The undervoltage release can only be fitted into the left side compartment and is available in AC & DC voltages.

Shunt trip release

Shunt trips can be used to trip the molded case circuit breakers 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 our 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	✓	✓	✓		✓
Undervoltage release	✗	✓	✓		✓

✗ Not available | ✓ Available



External accessories

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

Door-mounted rotary handle

We offer door-mounted rotary handles for the molded case circuit breakers installed in cubicles or distribution boards. This device can be padlocked in an ON and OFF position to ensure safety during operation.

Spreader terminals

The spreaders allow flexibility and safety in terminating various busbars or cable connections. Suitable spreader terminals are available across the range for our 3VJ molded case circuit breakers.

Mechanical interlocking

The front sliding bar allows interlocking between two molded case circuit breakers of the same size using a sliding bar. With this device, the sliding bar is moved to block the handle of the interlocked molded case circuit breakers, which forces the breakers into the OFF position. This then enables the released circuit breakers to be operated safely.

SS enclosure

Enclosures are designed to suit standard application needs of housing our 3VJ molded case circuit breakers with ample space for cable termination and an in-built neutral link for the TPN system. Designed for effortless installation and easy wall mounting.



Derating charts

Temperature deration

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 deration

When 3VJ1 molded case circuit breakers are used up to 2000m above main sea level, the rated current will not change; however, installation altitude above 2000m 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.

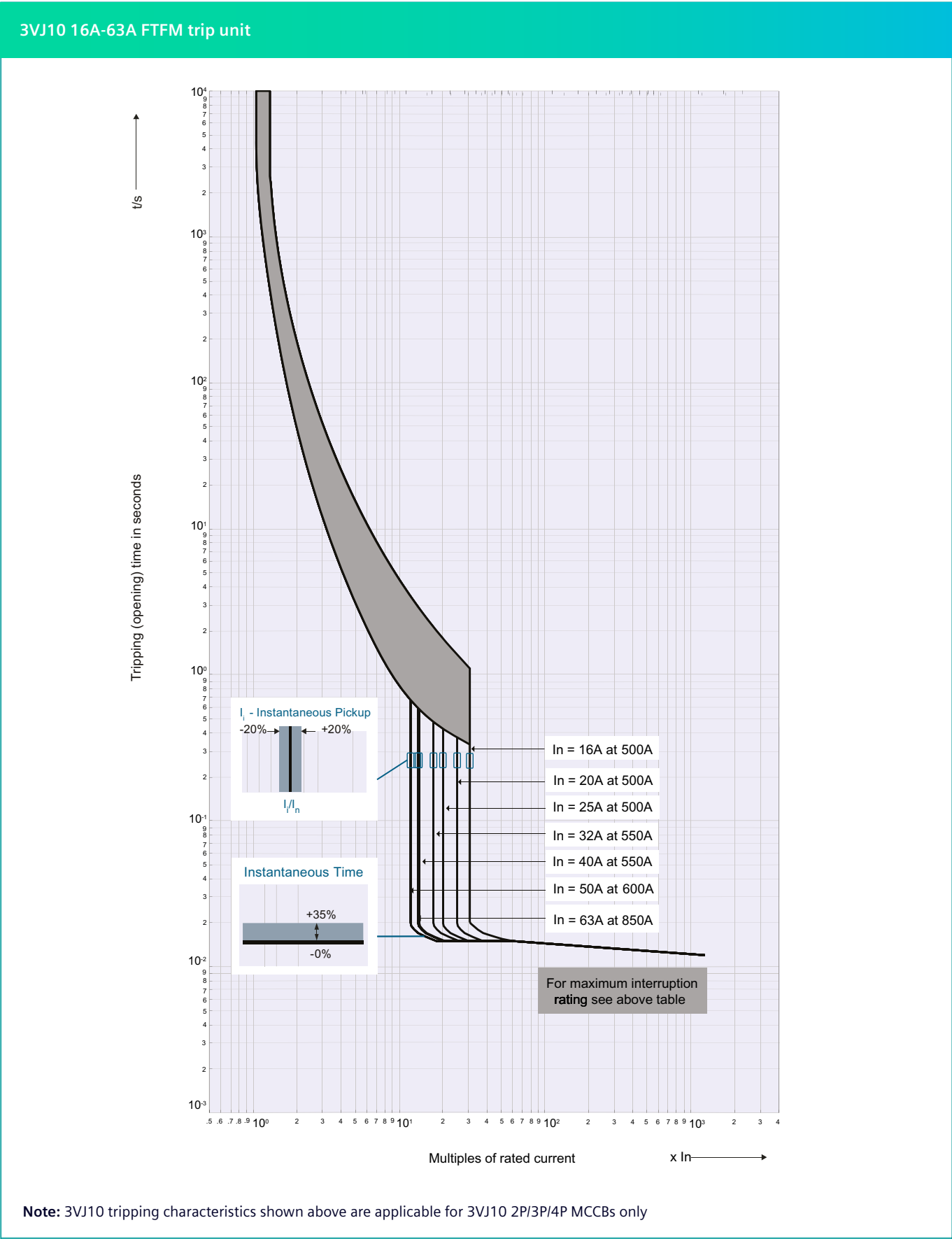
Refer to the table below for the correction factors for determining the key values:

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



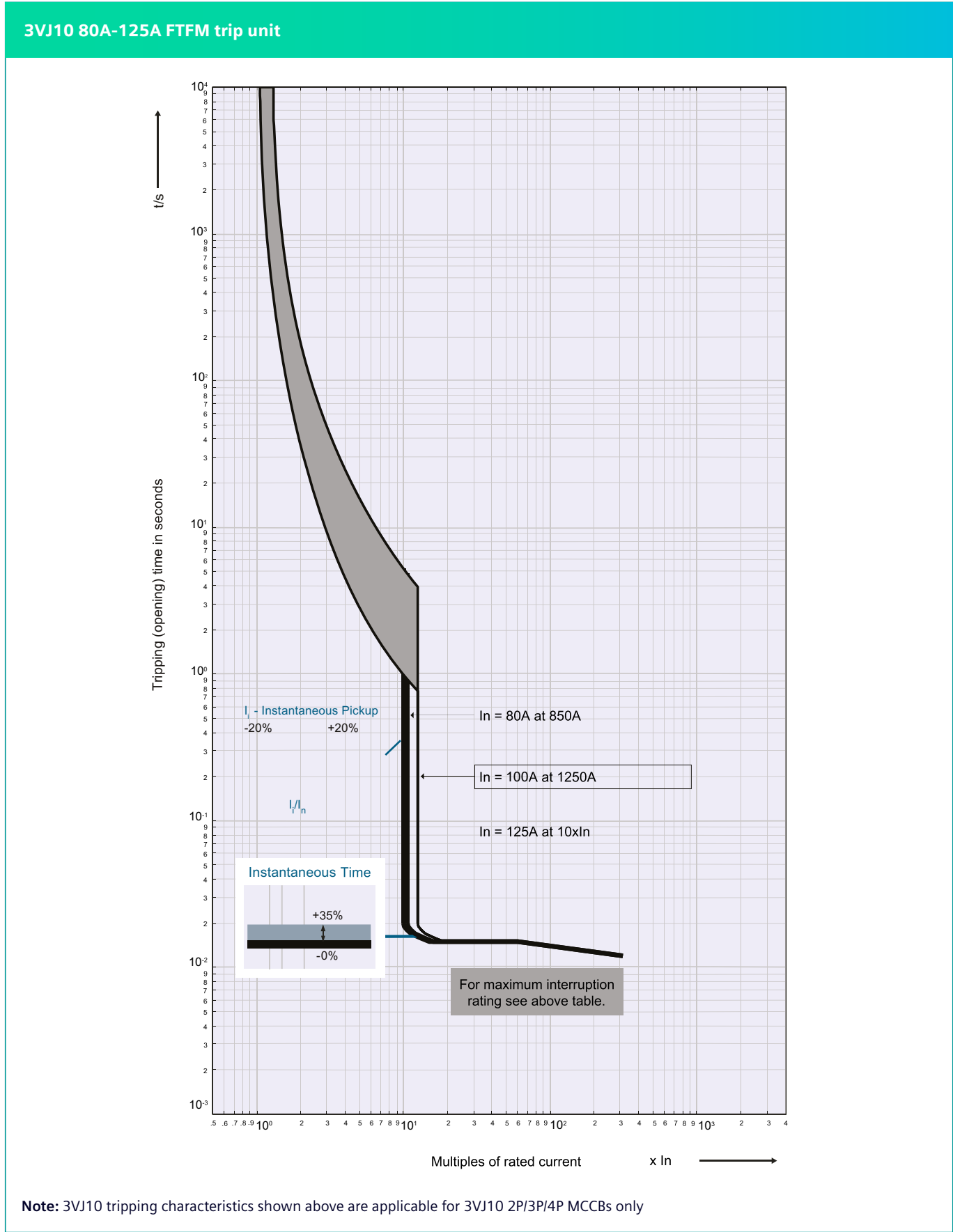
Tripping characteristics

3VJ molded case circuit breakers



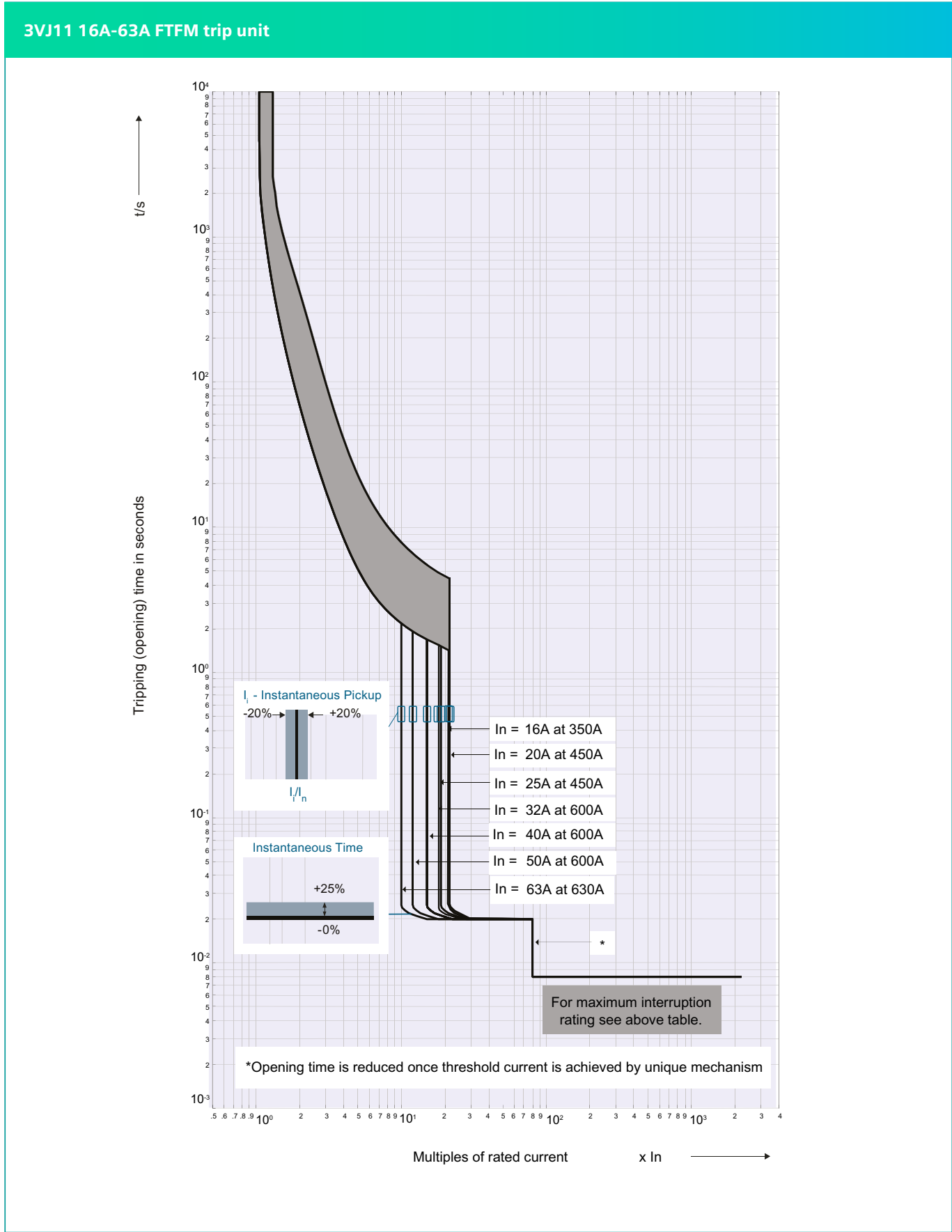
Tripping characteristics

3VJ molded case circuit breakers



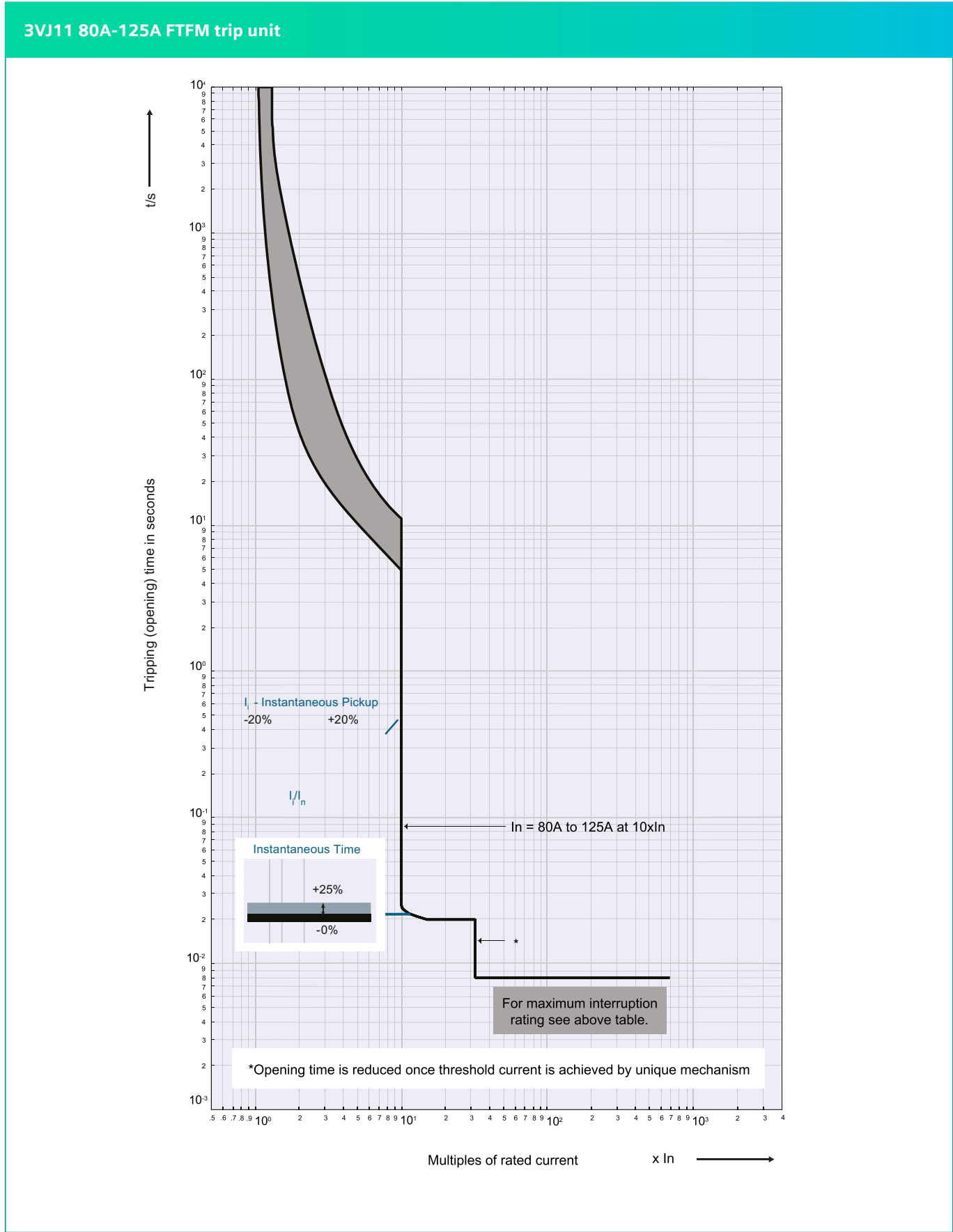
Tripping characteristics

3VJ molded case circuit breakers



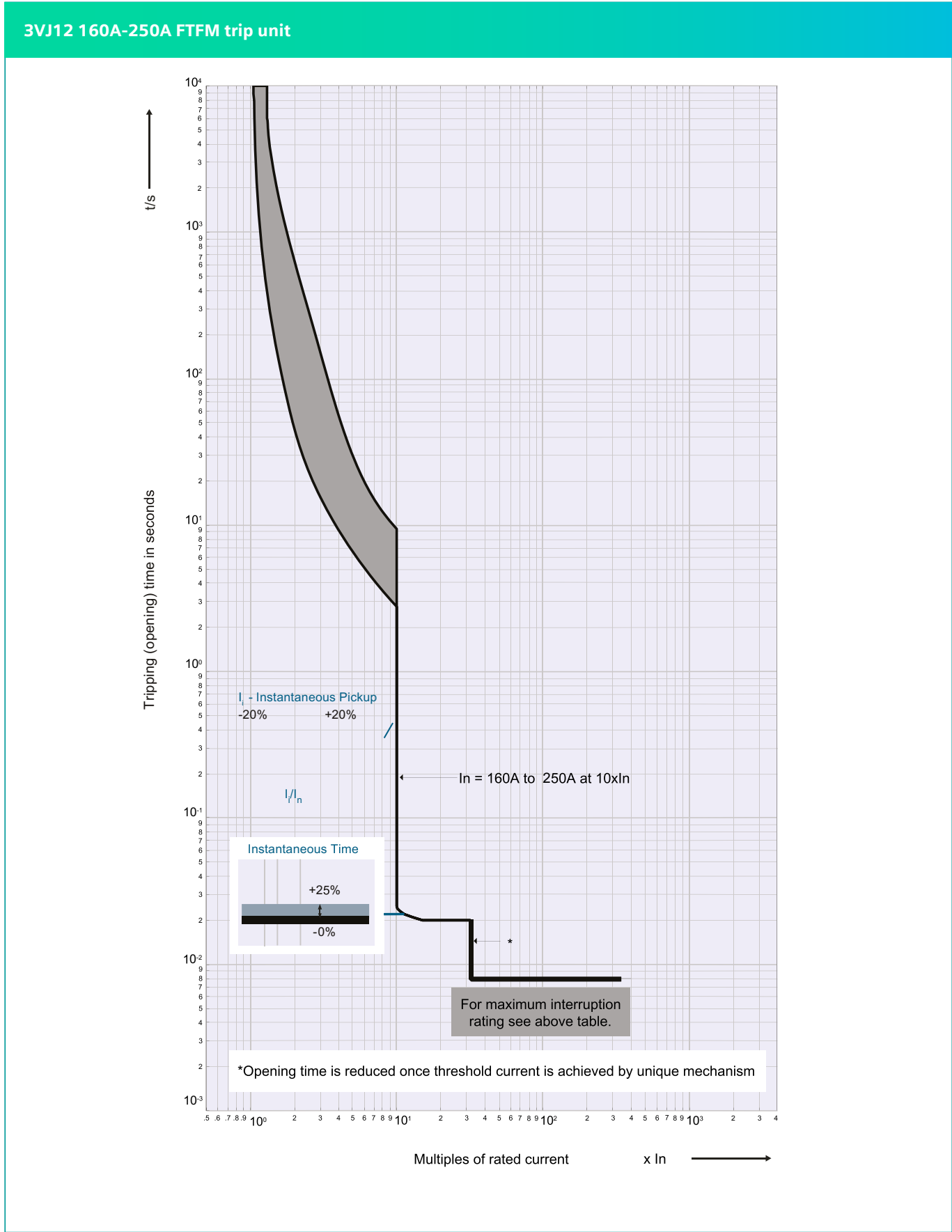
Tripping characteristics

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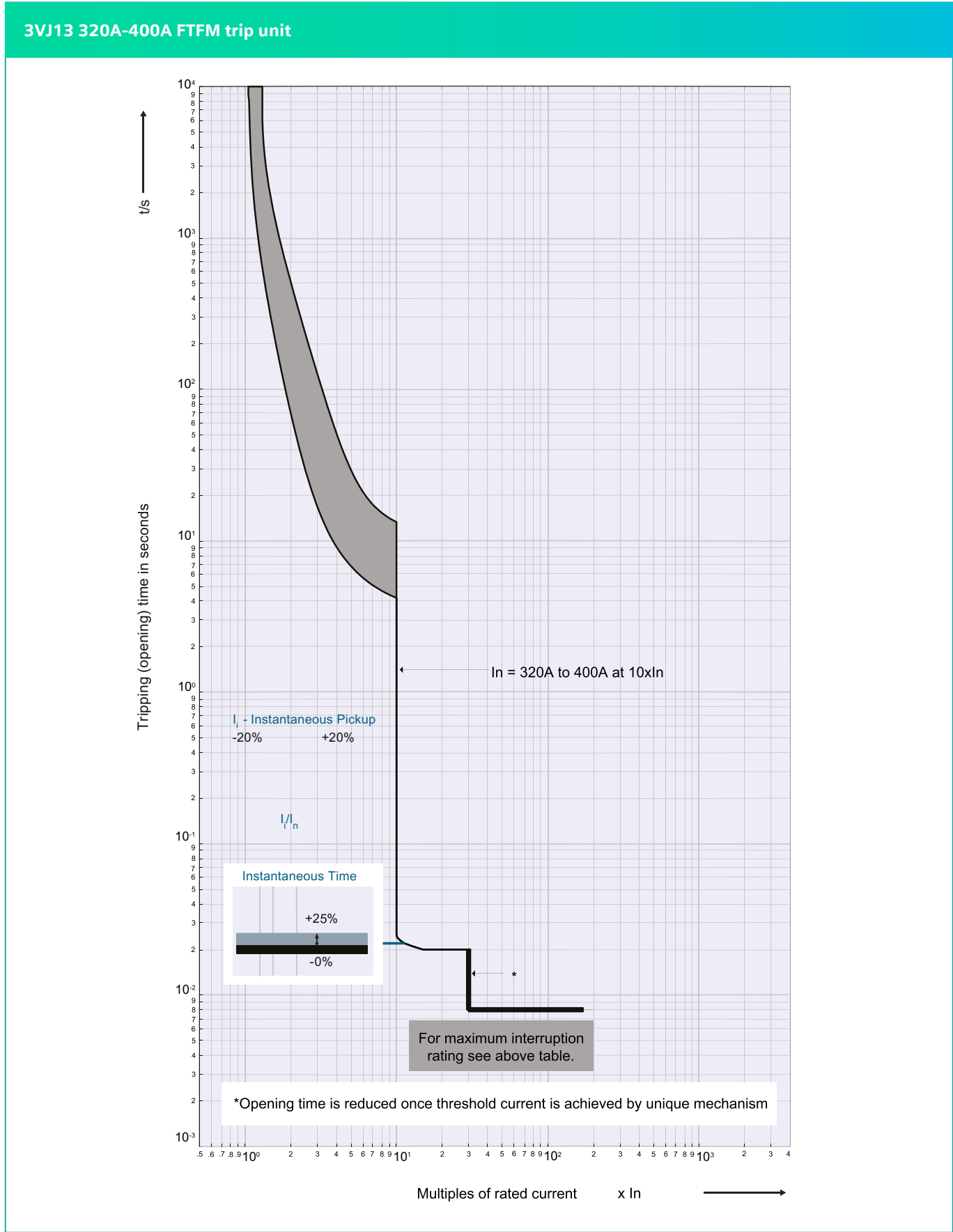
Tripping characteristics

3VJ molded case circuit breakers



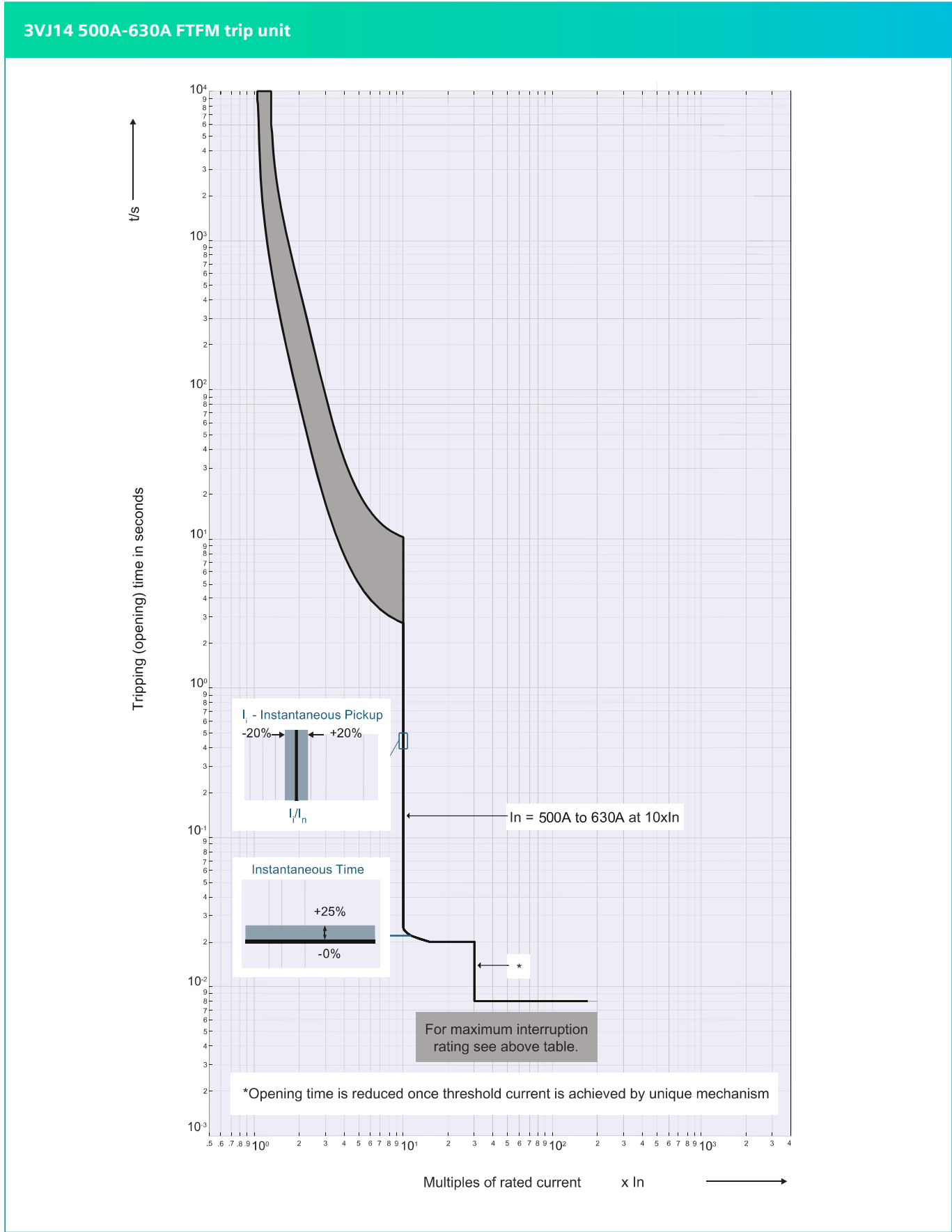
Tripping characteristics

3VJ molded case circuit breakers



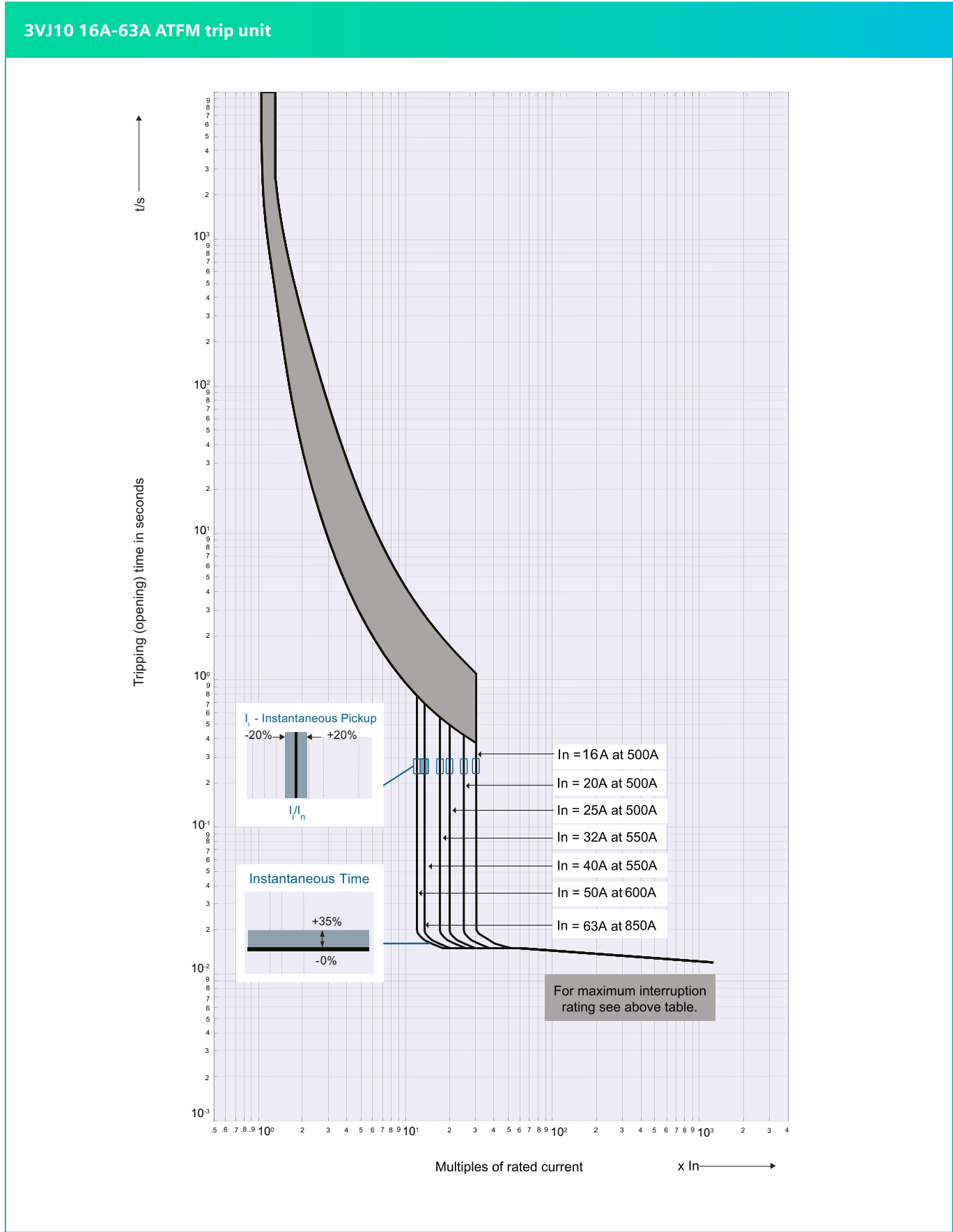
Tripping characteristics

3VJ molded case circuit breakers



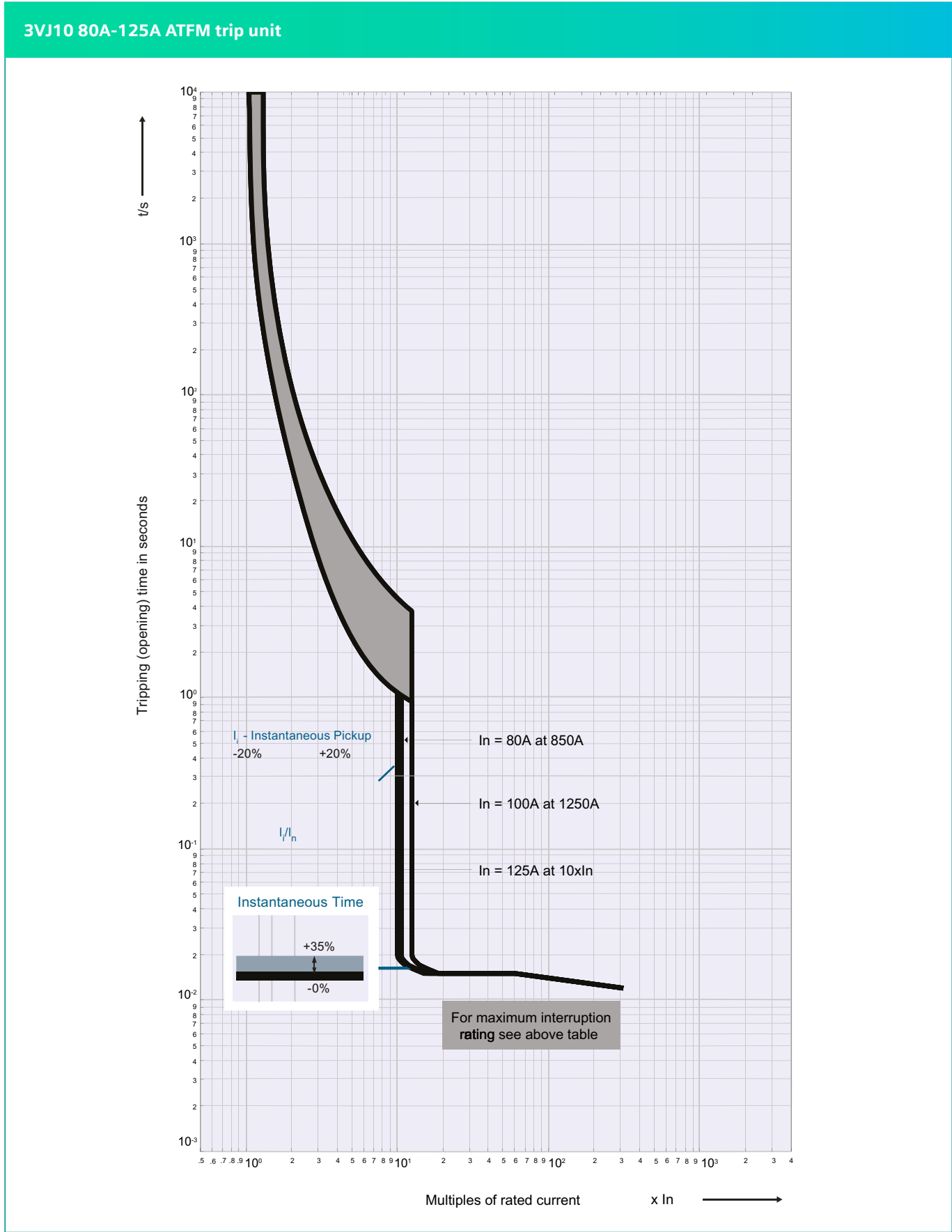
Tripping characteristics

3VJ molded case circuit breakers



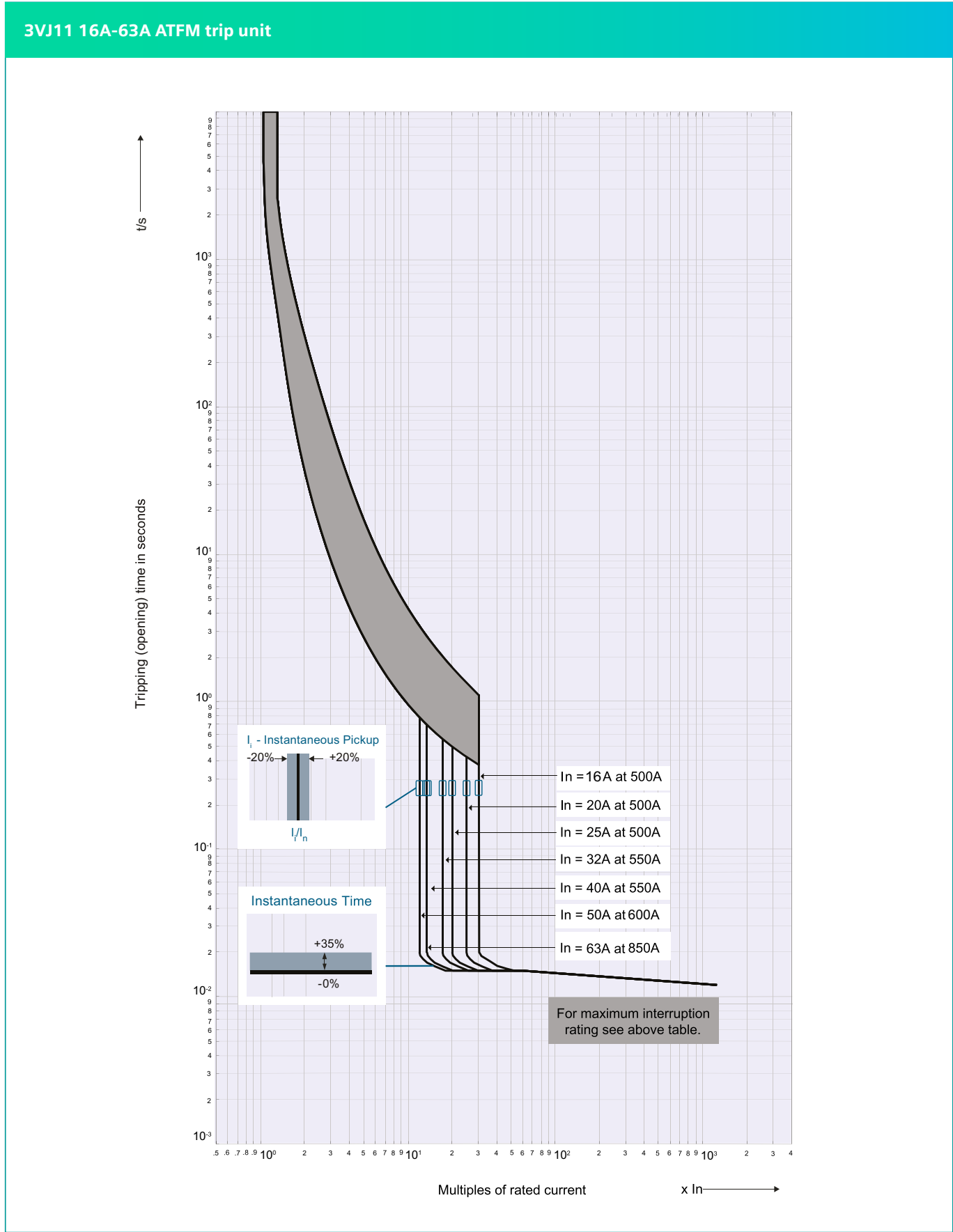
Tripping characteristics

3VJ molded case circuit breakers



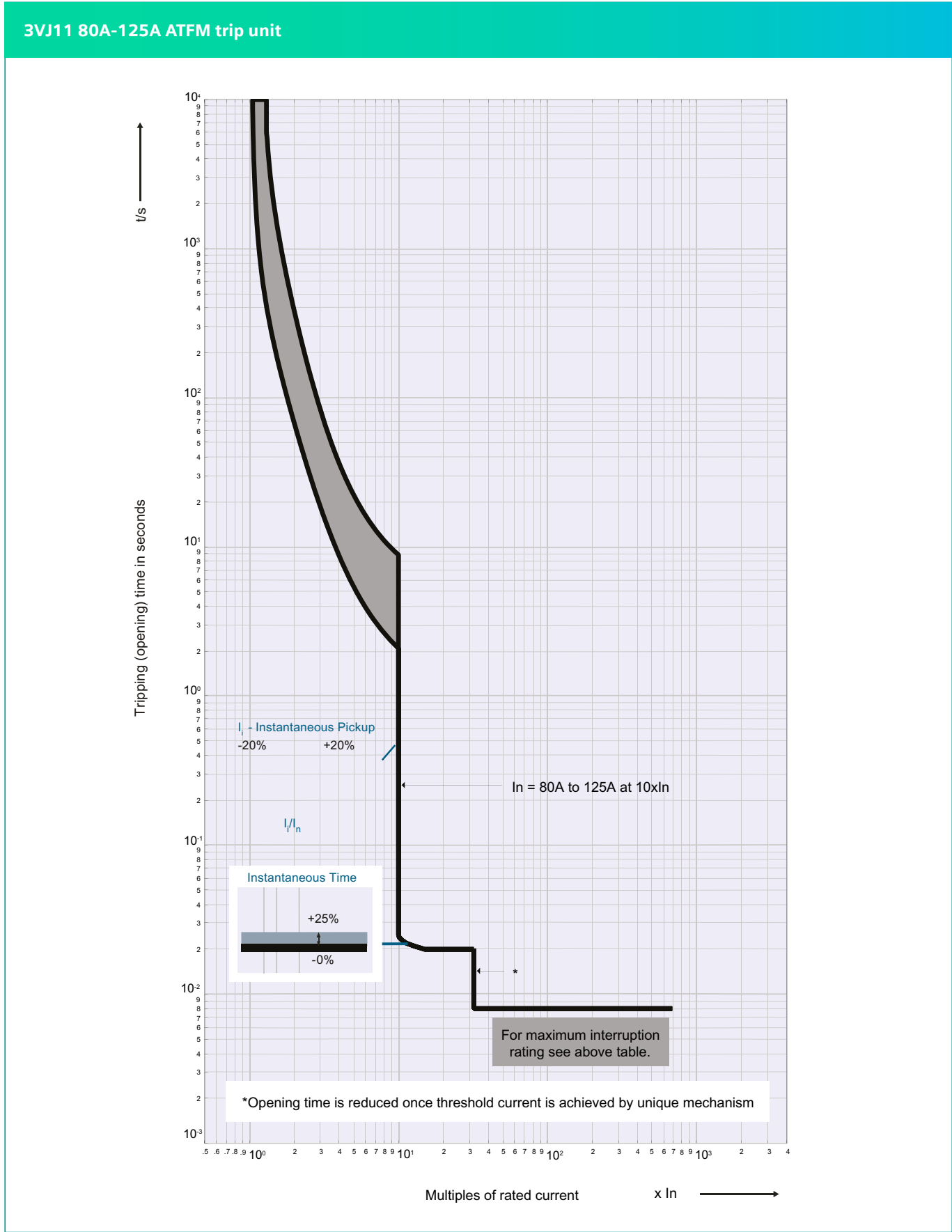
Tripping characteristics

3VJ molded case circuit breakers



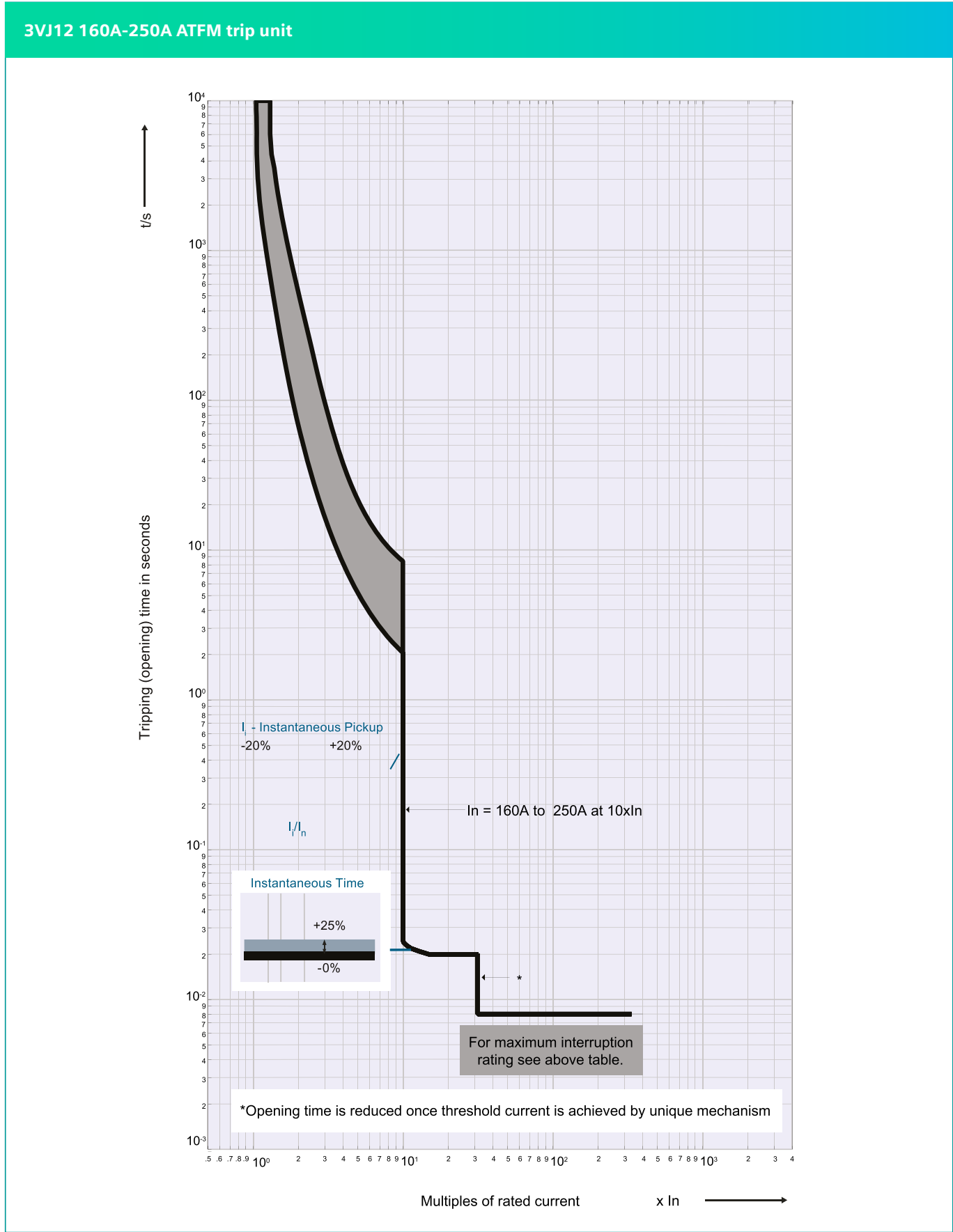
Tripping characteristics

3VJ molded case circuit breakers



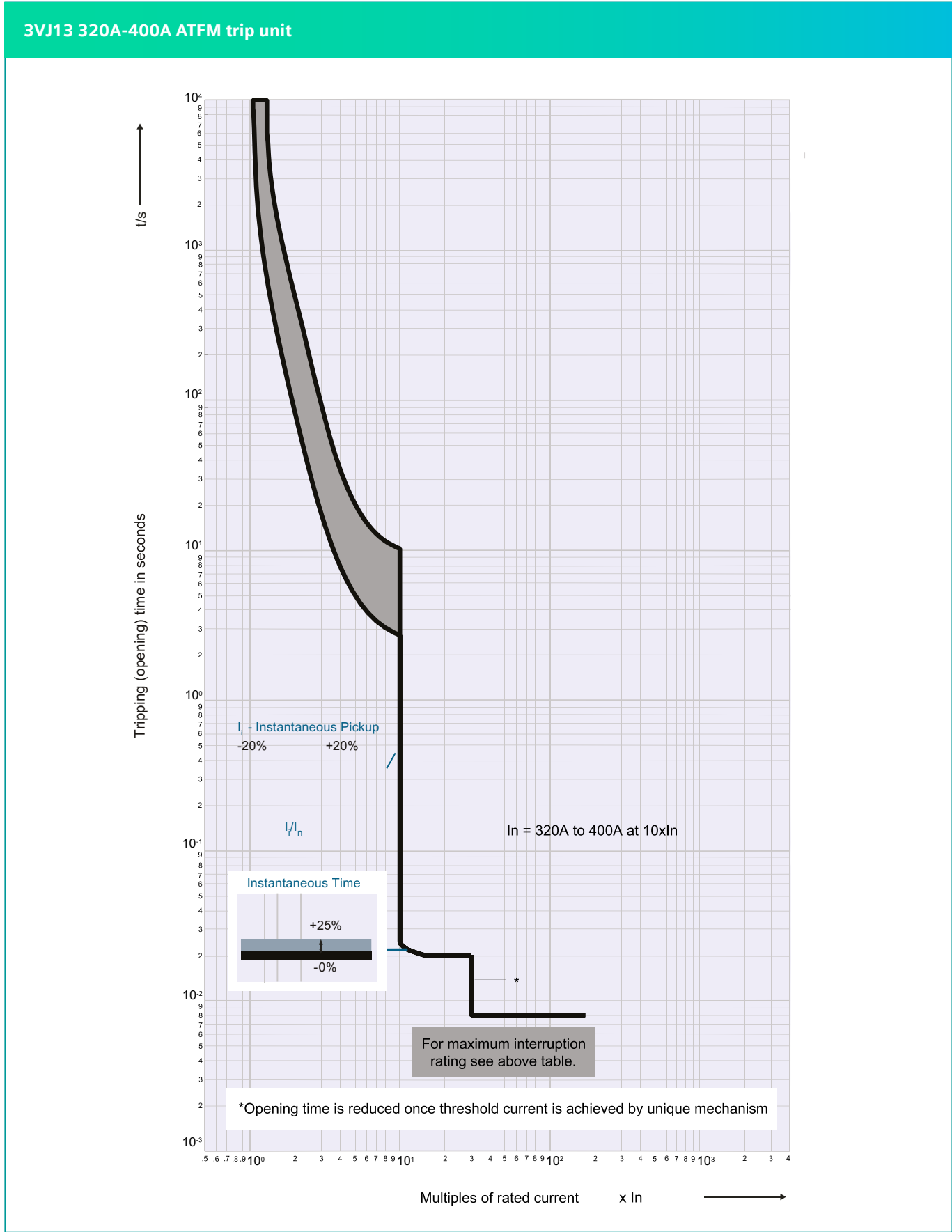
Tripping characteristics

3VJ molded case circuit breakers



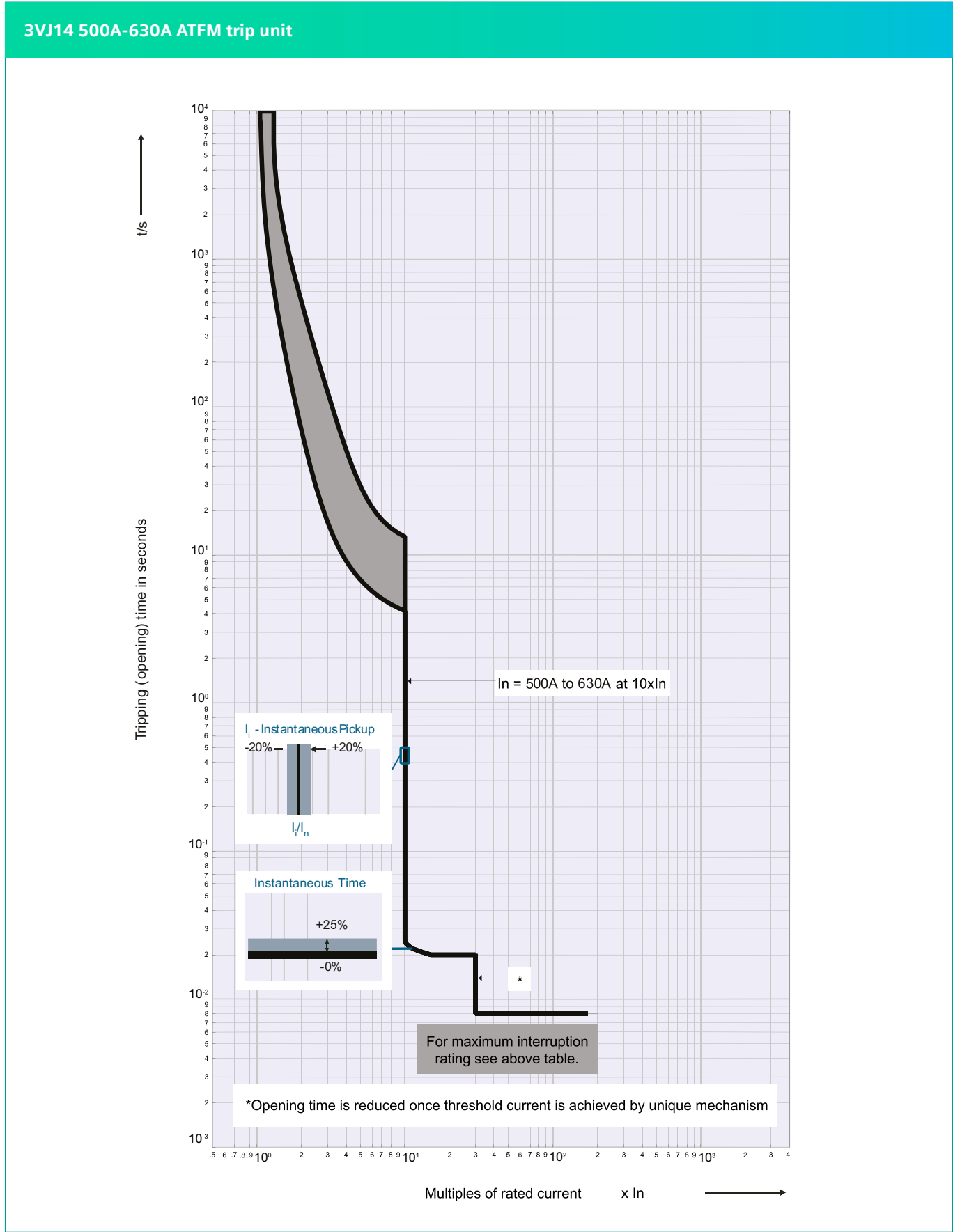
Tripping characteristics

3VJ molded case circuit breakers



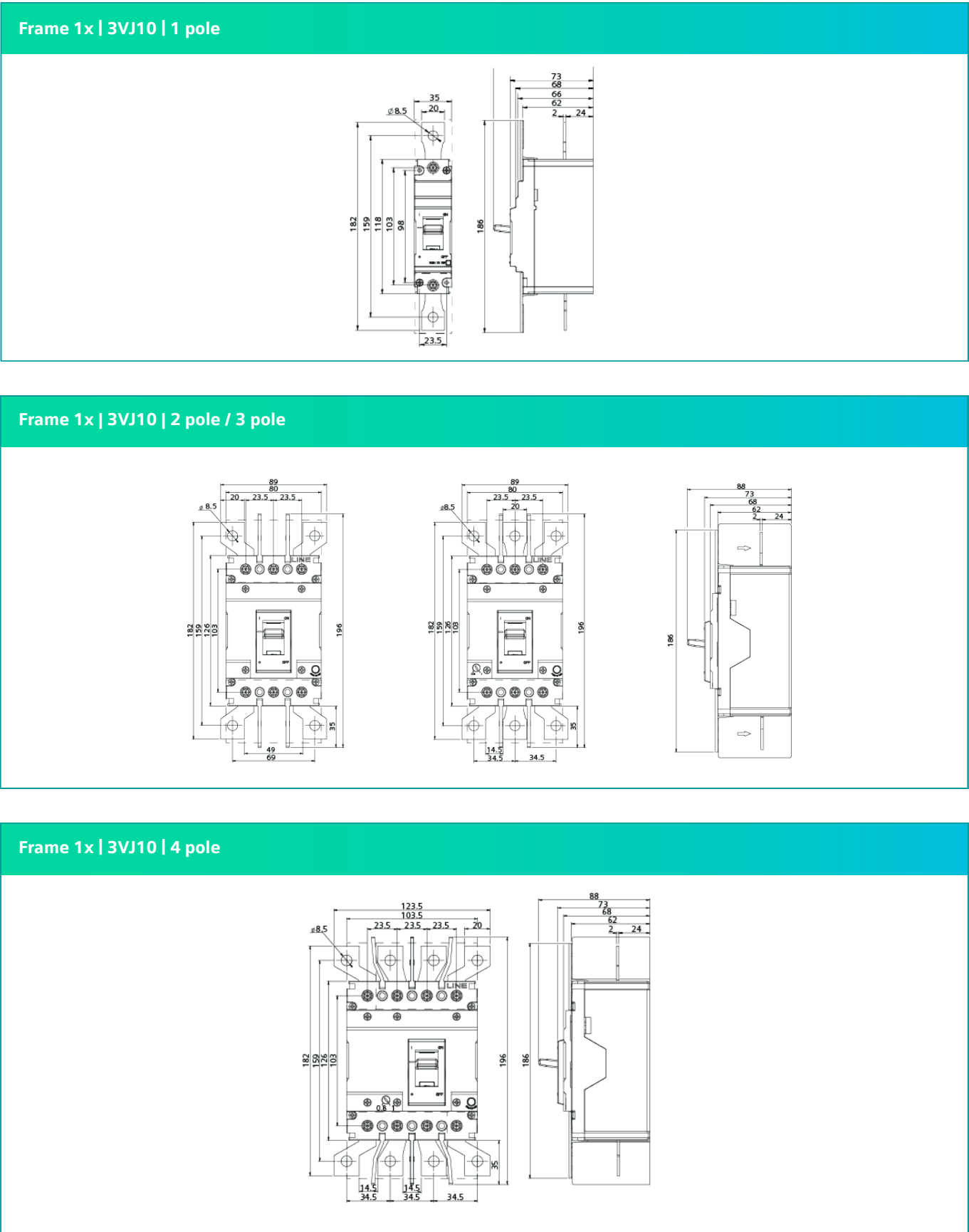
Tripping characteristics

3VJ molded case circuit breakers



Dimension drawings

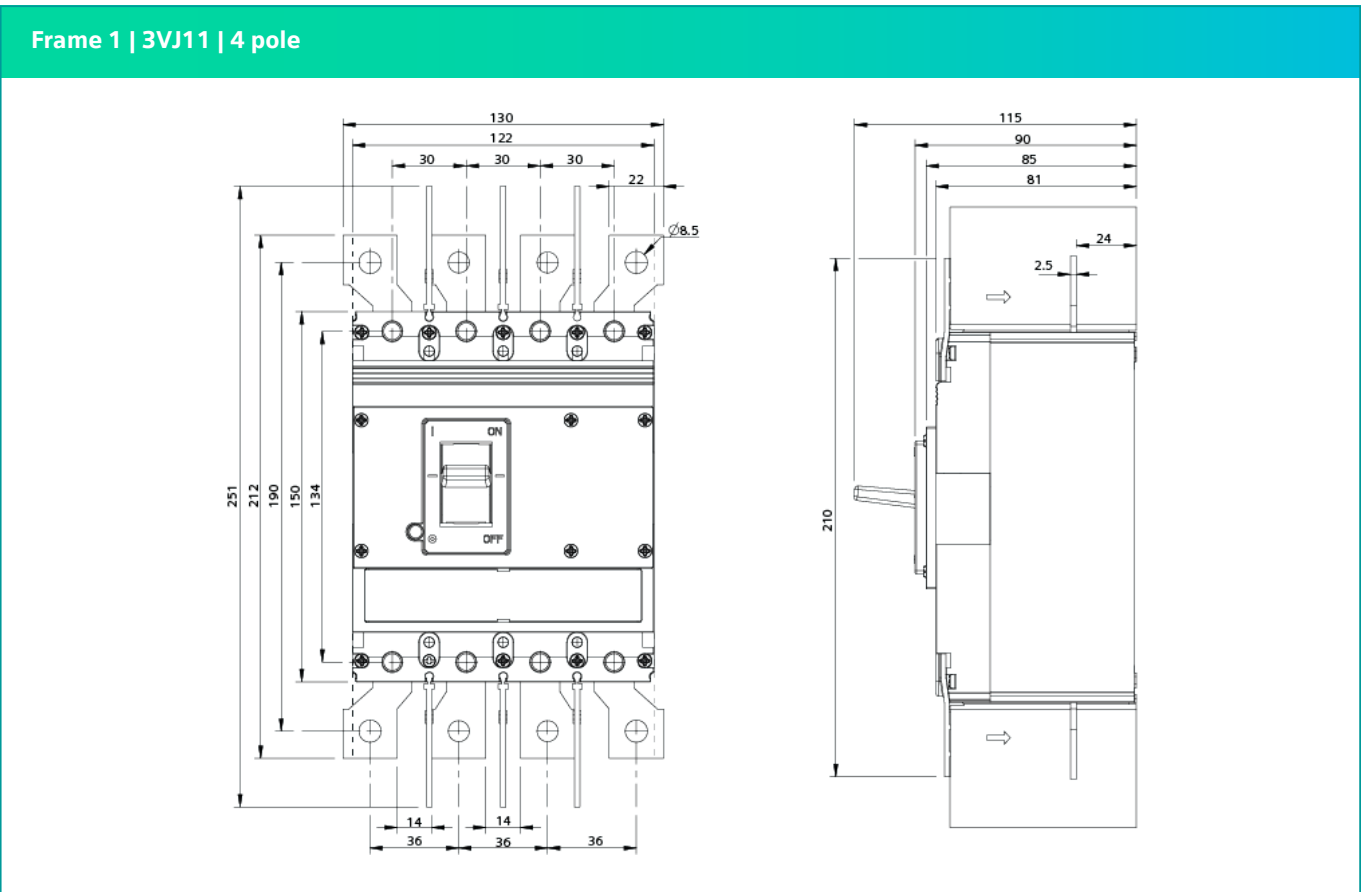
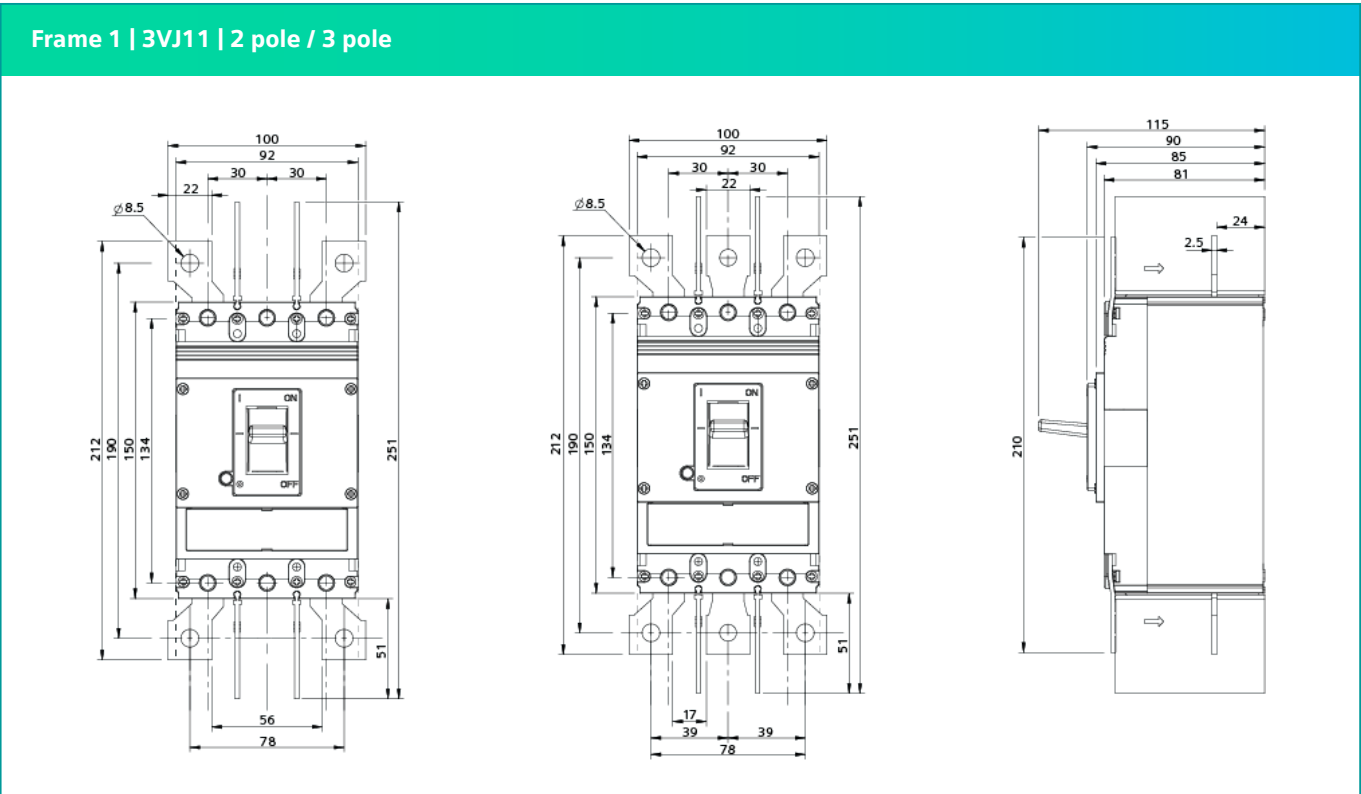
3VJ molded case circuit breakers



Note: All dimensions are in mm.

Dimension drawings

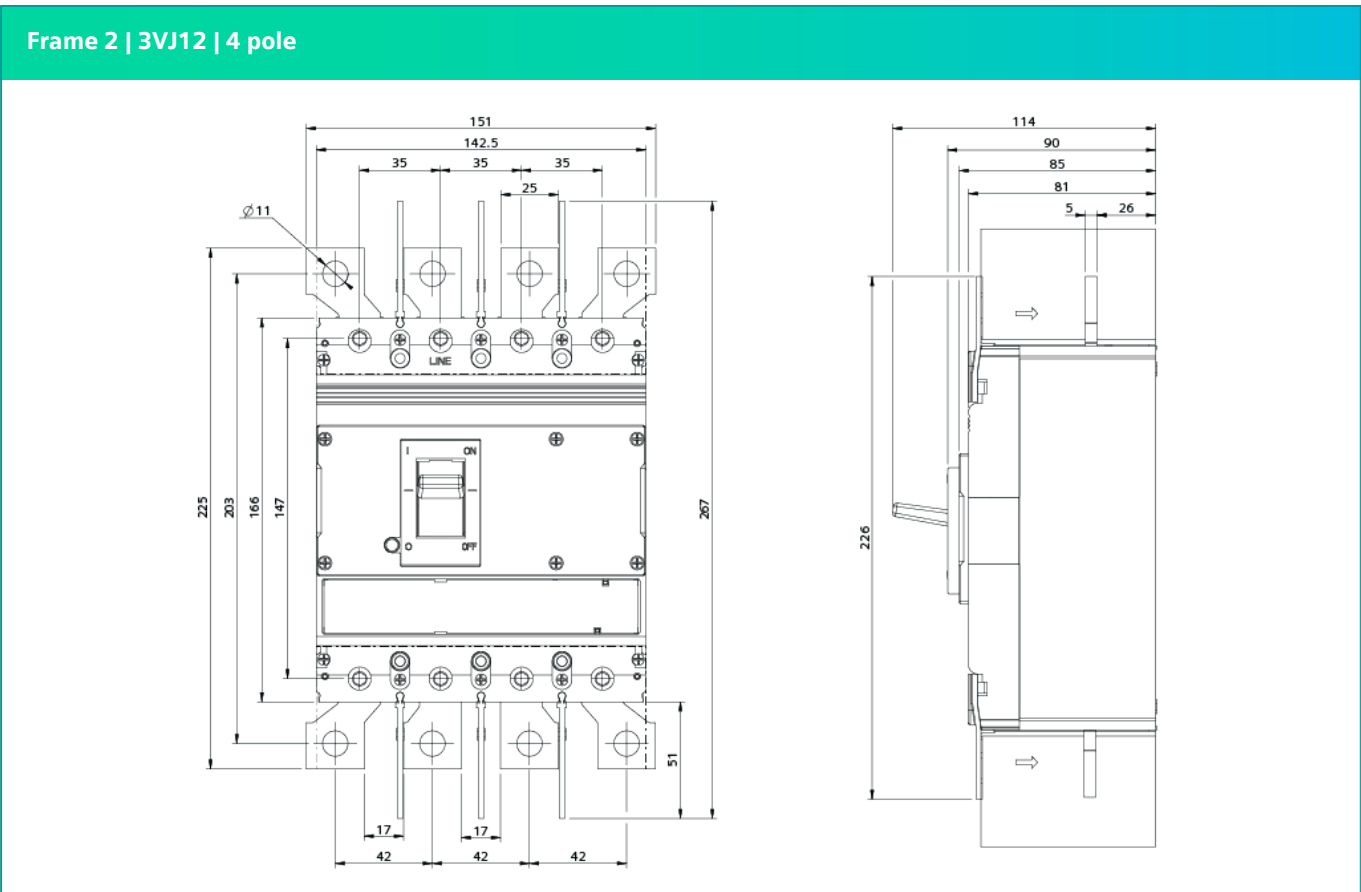
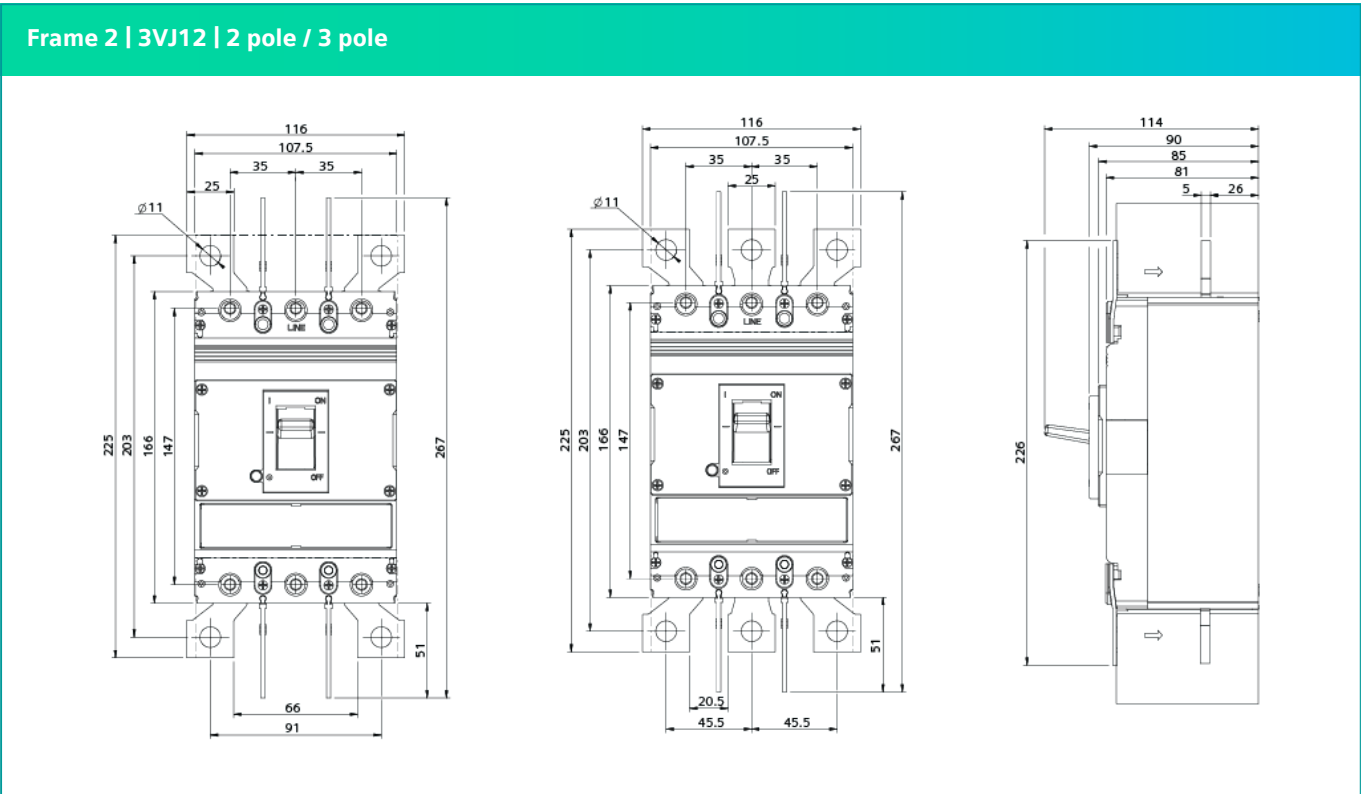
3VJ molded case circuit breakers



Note: All dimensions are in mm.

Dimension drawings

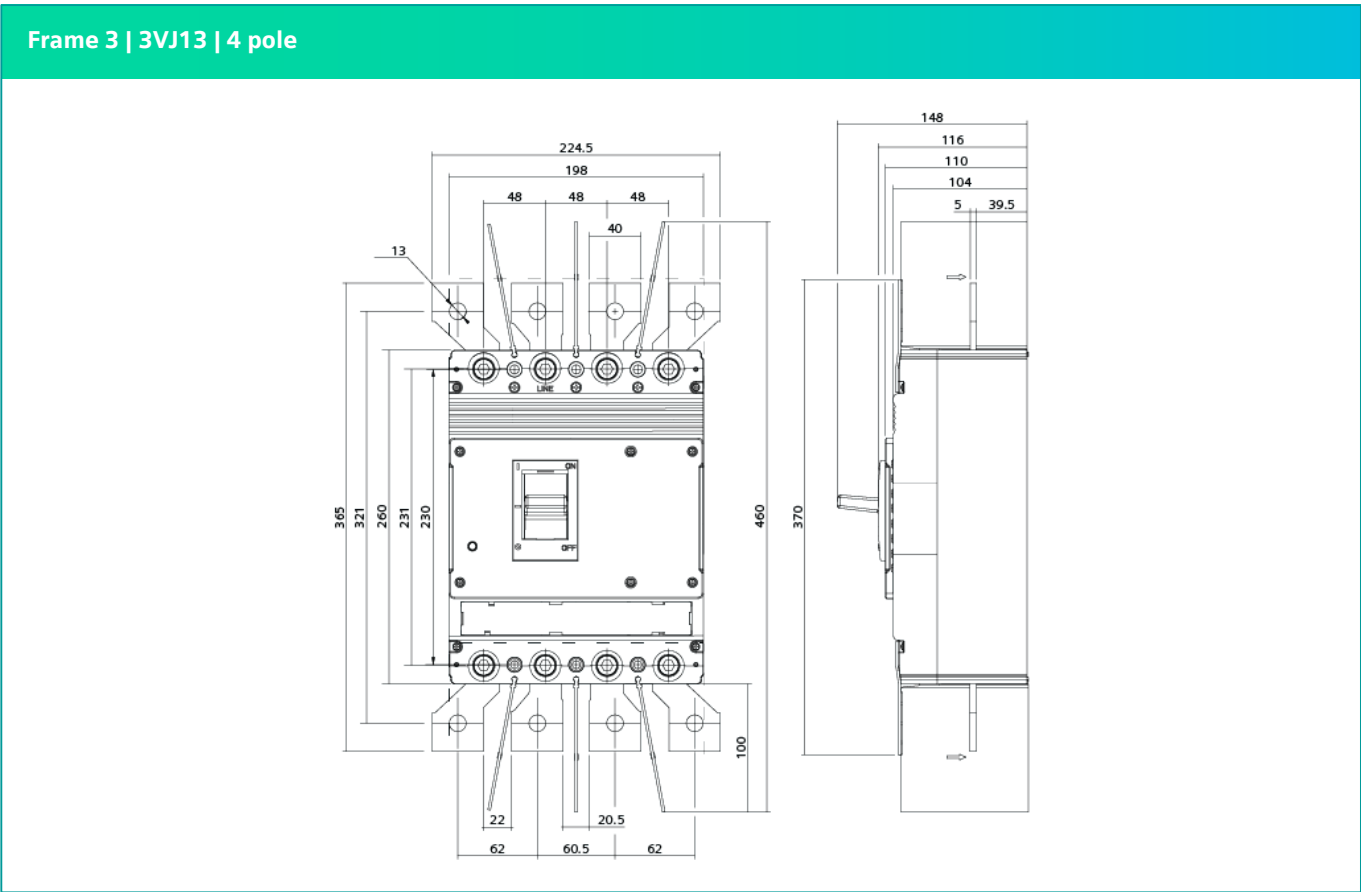
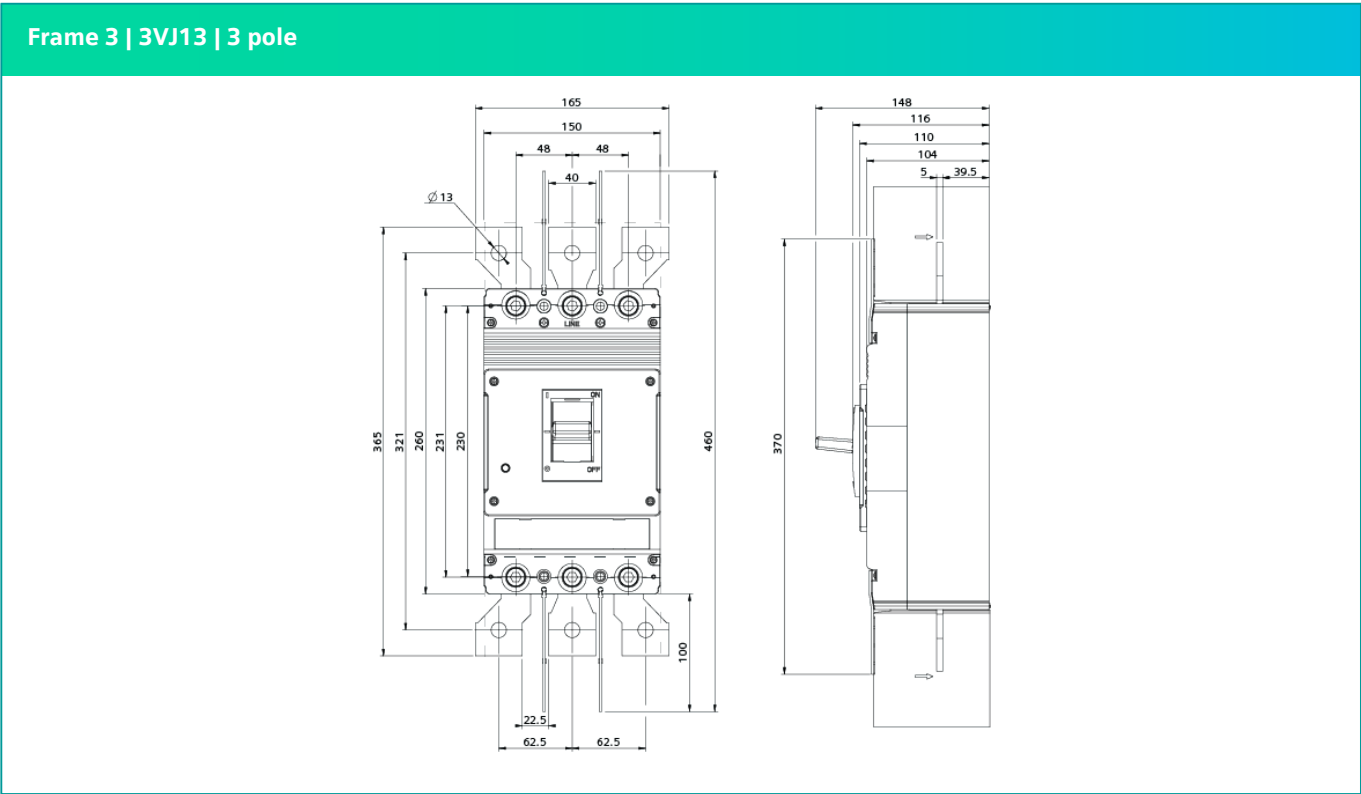
3VJ molded case circuit breakers



Note: All dimensions are in mm.

Dimension drawings

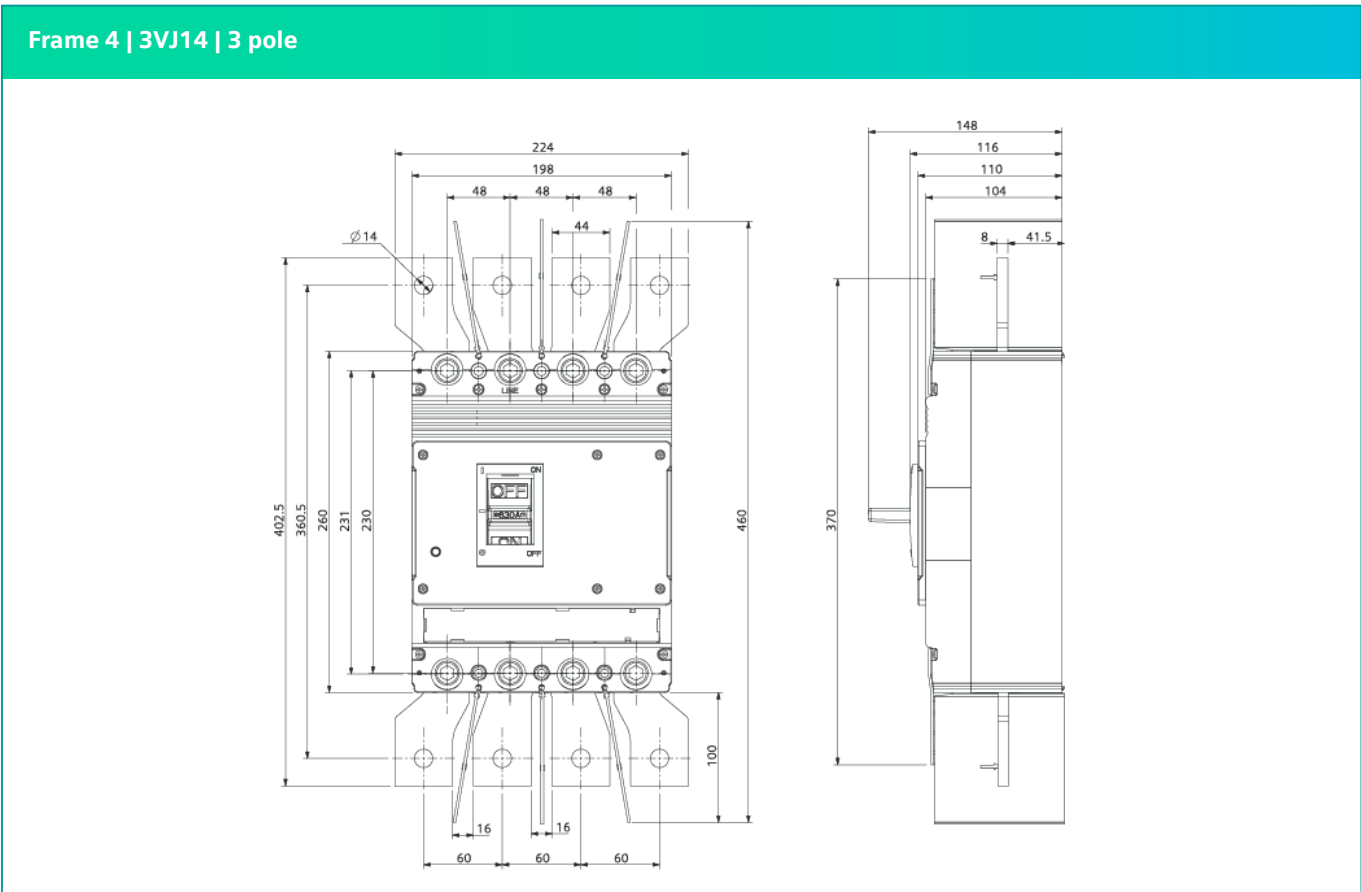
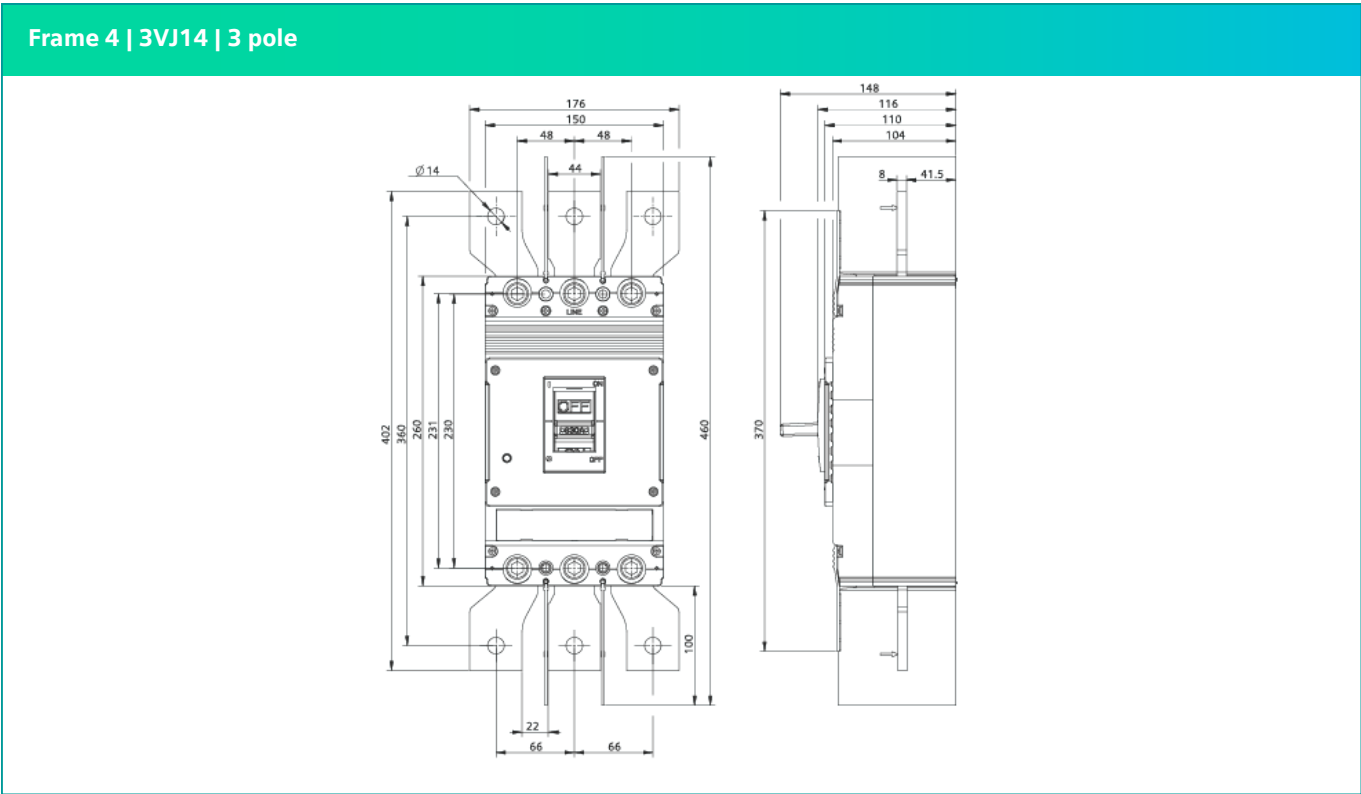
3VJ molded case circuit breakers



Note: All dimensions are in mm.

Dimension drawings

3VJ molded case circuit breakers



Note: All dimensions are in mm.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @240V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ10 (VJ1 125X)	10kA	16	1 pole	3VJ1096-0DA12-0AA0	
		20		3VJ1002-0DA12-0AA0	
		25		3VJ1092-0DA12-0AA0	
		32		3VJ1003-0DA12-0AA0	
		40		3VJ1004-0DA12-0AA0	
		50		3VJ1005-0DA12-0AA0	
		63		3VJ1006-0DA12-0AA0	
		80		3VJ1008-0DA12-0AA0	
		100		3VJ1010-0DA12-0AA0	
		125		3VJ1012-0DA12-0AA0	
	18kA	16		3VJ1096-1DA12-0AA0	
		20		3VJ1002-1DA12-0AA0	
		25		3VJ1092-1DA12-0AA0	
		32		3VJ1003-1DA12-0AA0	
		40		3VJ1004-1DA12-0AA0	
		50		3VJ1005-1DA12-0AA0	
		63		3VJ1006-1DA12-0AA0	
		80		3VJ1008-1DA12-0AA0	
		100		3VJ1010-1DA12-0AA0	
		125		3VJ1012-1DA12-0AA0	
	25kA	16		3VJ1096-3DA12-0AA0	
		20		3VJ1002-3DA12-0AA0	
		25		3VJ1092-3DA12-0AA0	
		32		3VJ1003-3DA12-0AA0	
		40		3VJ1004-3DA12-0AA0	
		50		3VJ1005-3DA12-0AA0	
		63		3VJ1006-3DA12-0AA0	
		80		3VJ1008-3DA12-0AA0	
		100		3VJ1010-3DA12-0AA0	
		125		3VJ1012-3DA12-0AA0	

Note:
Front barriers are included in the standard MCCB packaging.
Not applicable for 3VJ10..0....-....

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ10 (VJ1 125X)	10kA	16	2 pole	3VJ1096-0DA22-0AA0	
		20		3VJ1002-0DA22-0AA0	
		25		3VJ1092-0DA22-0AA0	
		32		3VJ1003-0DA22-0AA0	
		40		3VJ1004-0DA22-0AA0	
		50		3VJ1005-0DA22-0AA0	
		63		3VJ1006-0DA22-0AA0	
		80		3VJ1008-0DA22-0AA0	
		100		3VJ1010-0DA22-0AA0	
		125		3VJ1012-0DA22-0AA0	
	18kA	16		3VJ1096-1DA22-0AA0	
		20		3VJ1002-1DA22-0AA0	
		25		3VJ1092-1DA22-0AA0	
		32		3VJ1003-1DA22-0AA0	
		40		3VJ1004-1DA22-0AA0	
		50		3VJ1005-1DA22-0AA0	
		63		3VJ1006-1DA22-0AA0	
		80		3VJ1008-1DA22-0AA0	
		100		3VJ1010-1DA22-0AA0	
		125		3VJ1012-1DA22-0AA0	
	25kA	16		3VJ1096-3DA22-0AA0	
		20		3VJ1002-3DA22-0AA0	
		25		3VJ1092-3DA22-0AA0	
		32		3VJ1003-3DA22-0AA0	
		40		3VJ1004-3DA22-0AA0	
		50		3VJ1005-3DA22-0AA0	
		63		3VJ1006-3DA22-0AA0	
		80		3VJ1008-3DA22-0AA0	
		100		3VJ1010-3DA22-0AA0	
		125		3VJ1012-3DA22-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..0....-.... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ10 (VJ1 125X)	10kA	16	3 pole	3VJ1096-0DA32-0AA0	
		20		3VJ1002-0DA32-0AA0	
		25		3VJ1092-0DA32-0AA0	
		32		3VJ1003-0DA32-0AA0	
		40		3VJ1004-0DA32-0AA0	
		50		3VJ1005-0DA32-0AA0	
		63		3VJ1006-0DA32-0AA0	
		80		3VJ1008-0DA32-0AA0	
		100		3VJ1010-0DA32-0AA0	
		125		3VJ1012-0DA32-0AA0	
	18kA	16		3VJ1096-1DA32-0AA0	
		20		3VJ1002-1DA32-0AA0	
		25		3VJ1092-1DA32-0AA0	
		32		3VJ1003-1DA32-0AA0	
		40		3VJ1004-1DA32-0AA0	
		50		3VJ1005-1DA32-0AA0	
		63		3VJ1006-1DA32-0AA0	
		80		3VJ1008-1DA32-0AA0	
		100		3VJ1010-1DA32-0AA0	
		125		3VJ1012-1DA32-0AA0	
	25kA	16		3VJ1096-3DA32-0AA0	
		20		3VJ1002-3DA32-0AA0	
		25		3VJ1092-3DA32-0AA0	
		32		3VJ1003-3DA32-0AA0	
		40		3VJ1004-3DA32-0AA0	
		50		3VJ1005-3DA32-0AA0	
		63		3VJ1006-3DA32-0AA0	
		80		3VJ1008-3DA32-0AA0	
		100		3VJ1010-3DA32-0AA0	
		125		3VJ1012-3DA32-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ10 (VJ1 125X)	10kA	16	4 pole	3VJ1096-0EA42-0AA0	
		20		3VJ1002-0EA42-0AA0	
		25		3VJ1092-0EA42-0AA0	
		32		3VJ1003-0EA42-0AA0	
		40		3VJ1004-0EA42-0AA0	
		50		3VJ1005-0EA42-0AA0	
		63		3VJ1006-0EA42-0AA0	
		80		3VJ1008-0EA42-0AA0	
		100		3VJ1010-0EA42-0AA0	
		125		3VJ1012-0EA42-0AA0	
	18kA	16		3VJ1096-1EA42-0AA0	
		20		3VJ1002-1EA42-0AA0	
		25		3VJ1092-1EA42-0AA0	
		32		3VJ1003-1EA42-0AA0	
		40		3VJ1004-1EA42-0AA0	
		50		3VJ1005-1EA42-0AA0	
		63		3VJ1006-1EA42-0AA0	
		80		3VJ1008-1EA42-0AA0	
		100		3VJ1010-1EA42-0AA0	
		125		3VJ1012-1EA42-0AA0	
	25kA	16		3VJ1096-3EA42-0AA0	
		20		3VJ1002-3EA42-0AA0	
		25		3VJ1092-3EA42-0AA0	
		32		3VJ1003-3EA42-0AA0	
		40		3VJ1004-3EA42-0AA0	
		50		3VJ1005-3EA42-0AA0	
		63		3VJ1006-3EA42-0AA0	
		80		3VJ1008-3EA42-0AA0	
		100		3VJ1010-3EA42-0AA0	
		125		3VJ1012-3EA42-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ10 (VJ1 125X)	10kA	16	3 pole	3VJ1096-0DB32-0AA0	
		20		3VJ1002-0DB32-0AA0	
		25		3VJ1092-0DB32-0AA0	
		32		3VJ1003-0DB32-0AA0	
		40		3VJ1004-0DB32-0AA0	
		50		3VJ1005-0DB32-0AA0	
		63		3VJ1006-0DB32-0AA0	
		80		3VJ1008-0DB32-0AA0	
		100		3VJ1010-0DB32-0AA0	
		125		3VJ1012-0DB32-0AA0	
	18kA	16		3VJ1096-1DB32-0AA0	
		20		3VJ1002-1DB32-0AA0	
		25		3VJ1092-1DB32-0AA0	
		32		3VJ1003-1DB32-0AA0	
		40		3VJ1004-1DB32-0AA0	
		50		3VJ1005-1DB32-0AA0	
		63		3VJ1006-1DB32-0AA0	
		80		3VJ1008-1DB32-0AA0	
		100		3VJ1010-1DB32-0AA0	
		125		3VJ1012-1DB32-0AA0	
	25kA	16		3VJ1096-3DB32-0AA0	
		20		3VJ1002-3DB32-0AA0	
		25		3VJ1092-3DB32-0AA0	
		32		3VJ1003-3DB32-0AA0	
		40		3VJ1004-3DB32-0AA0	
		50		3VJ1005-3DB32-0AA0	
		63		3VJ1006-3DB32-0AA0	
		80		3VJ1008-3DB32-0AA0	
		100		3VJ1010-3DB32-0AA0	
		125		3VJ1012-3DB32-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ10 (VJ1 125X)	10kA	16	4 pole	3VJ1096-0EB42-0AA0	
		20		3VJ1002-0EB42-0AA0	
		25		3VJ1092-0EB42-0AA0	
		32		3VJ1003-0EB42-0AA0	
		40		3VJ1004-0EB42-0AA0	
		50		3VJ1005-0EB42-0AA0	
		63		3VJ1006-0EB42-0AA0	
		80		3VJ1008-0EB42-0AA0	
		100		3VJ1010-0EB42-0AA0	
		125		3VJ1012-0EB42-0AA0	
	18kA	16		3VJ1096-1EB42-0AA0	
		20		3VJ1002-1EB42-0AA0	
		25		3VJ1092-1EB42-0AA0	
		32		3VJ1003-1EB42-0AA0	
		40		3VJ1004-1EB42-0AA0	
		50		3VJ1005-1EB42-0AA0	
		63		3VJ1006-1EB42-0AA0	
		80		3VJ1008-1EB42-0AA0	
		100		3VJ1010-1EB42-0AA0	
		125		3VJ1012-1EB42-0AA0	
	25kA	16		3VJ1096-3EB42-0AA0	
		20		3VJ1002-3EB42-0AA0	
		25		3VJ1092-3EB42-0AA0	
		32		3VJ1003-3EB42-0AA0	
		40		3VJ1004-3EB42-0AA0	
		50		3VJ1005-3EB42-0AA0	
		63		3VJ1006-3EB42-0AA0	
		80		3VJ1008-3EB42-0AA0	
		100		3VJ1010-3EB42-0AA0	
		125		3VJ1012-3EB42-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)		
3VJ12 (VJ1 250)	18kA	160	2 pole	3VJ1216-1DA22-0AA0			
		200		3VJ1220-1DA22-0AA0			
		250		3VJ1225-1DA22-0AA0			
3VJ11 (VJ1 125)	25kA	16		3VJ1196-3DA22-0AA0			
		20		3VJ1102-3DA22-0AA0			
		25		3VJ1192-3DA22-0AA0			
		32		3VJ1103-3DA22-0AA0			
		40		3VJ1104-3DA22-0AA0			
		50		3VJ1105-3DA22-0AA0			
		63		3VJ1106-3DA22-0AA0			
		80		3VJ1108-3DA22-0AA0			
		100		3VJ1110-3DA22-0AA0			
		125		3VJ1112-3DA22-0AA0			
		3VJ12 (VJ1 250)			160	3VJ1216-3DA22-0AA0	
					200	3VJ1220-3DA22-0AA0	
					250	3VJ1225-3DA22-0AA0	
3VJ11 (VJ1 125)	36kA	16		3VJ1196-5DA22-0AA0			
		20		3VJ1102-5DA22-0AA0			
		25		3VJ1192-5DA22-0AA0			
		32		3VJ1103-5DA22-0AA0			
		40		3VJ1104-5DA22-0AA0			
		50		3VJ1105-5DA22-0AA0			
		63		3VJ1106-5DA22-0AA0			
		80		3VJ1108-5DA22-0AA0			
		100		3VJ1110-5DA22-0AA0			
		125		3VJ1112-5DA22-0AA0			
3VJ12 (VJ1 250)		160		3VJ1216-5DA22-0AA0			
		200		3VJ1220-5DA22-0AA0			
		250		3VJ1225-5DA22-0AA0			

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)	
3VJ12 (VJ1 250)	18kA	160	3 pole	3VJ1216-1DA32-0AA0		
		200		3VJ1220-1DA32-0AA0		
		250		3VJ1225-1DA32-0AA0		
3VJ11 (VJ1 125)	25kA	16		3VJ1196-3DA32-0AA0		
		20		3VJ1102-3DA32-0AA0		
		25		3VJ1192-3DA32-0AA0		
		32		3VJ1103-3DA32-0AA0		
		40		3VJ1104-3DA32-0AA0		
		50		3VJ1105-3DA32-0AA0		
		63		3VJ1106-3DA32-0AA0		
		80		3VJ1108-3DA32-0AA0		
		100		3VJ1110-3DA32-0AA0		
		125		3VJ1112-3DA32-0AA0		
3VJ12 (VJ1 250)		160		3VJ1216-3DA32-0AA0		
				200	3VJ1220-3DA32-0AA0	
				250	3VJ1225-3DA32-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-3DA32-0AA0		
				400	3VJ1340-3DA32-0AA0	
3VJ11 (VJ1 125)	36kA	16		3VJ1196-5DA32-0AA0		
		20		3VJ1102-5DA32-0AA0		
		25		3VJ1192-5DA32-0AA0		
		32		3VJ1103-5DA32-0AA0		
		40		3VJ1104-5DA32-0AA0		
		50		3VJ1105-5DA32-0AA0		
		63		3VJ1106-5DA32-0AA0		
		80		3VJ1108-5DA32-0AA0		
		100		3VJ1110-5DA32-0AA0		
		125		3VJ1112-5DA32-0AA0		
3VJ12 (VJ1 250)		160		3VJ1216-5DA32-0AA0		
				200	3VJ1220-5DA32-0AA0	
				250	3VJ1225-5DA32-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-5DA32-0AA0		
				400	3VJ1340-5DA32-0AA0	
3VJ14 (VJ1 630)		500		3VJ1450-5DA32-0AA0		
				630	3VJ1463-5DA32-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ12 (VJ1 250)	18kA	160	4 pole	3VJ1216-1EA42-0AA0	
		200		3VJ1220-1EA42-0AA0	
		250		3VJ1225-1EA42-0AA0	
3VJ11 (VJ1 125)	25kA	16		3VJ1196-3EA42-0AA0	
		20		3VJ1102-3EA42-0AA0	
		25		3VJ1192-3EA42-0AA0	
		32		3VJ1103-3EA42-0AA0	
		40		3VJ1104-3EA42-0AA0	
		50		3VJ1105-3EA42-0AA0	
		63		3VJ1106-3EA42-0AA0	
		80		3VJ1108-3EA42-0AA0	
		100		3VJ1110-3EA42-0AA0	
		125		3VJ1112-3EA42-0AA0	
3VJ12 (VJ1 250)		160		3VJ1216-3EA42-0AA0	
		200		3VJ1220-3EA42-0AA0	
		250		3VJ1225-3EA42-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-3EA42-0AA0	
		400		3VJ1340-3EA42-0AA0	
3VJ11 (VJ1 125)	36kA	16		3VJ1196-5EA42-0AA0	
		20		3VJ1102-5EA42-0AA0	
		25		3VJ1192-5EA42-0AA0	
		32		3VJ1103-5EA42-0AA0	
		40		3VJ1104-5EA42-0AA0	
		50		3VJ1105-5EA42-0AA0	
		63		3VJ1106-5EA42-0AA0	
		80		3VJ1108-5EA42-0AA0	
		100		3VJ1110-5EA42-0AA0	
		125		3VJ1112-5EA42-0AA0	
3VJ12 (VJ1 250)		160		3VJ1216-5EA42-0AA0	
		200		3VJ1220-5EA42-0AA0	
		250		3VJ1225-5EA42-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-5EA42-0AA0	
		400		3VJ1340-5EA42-0AA0	
3VJ14 (VJ1 630)		500		3VJ1450-5EA42-0AA0	
		630		3VJ1463-5EA42-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ11 (VJ1 125)	55kA	16	2 pole	3VJ1196-7DA22-0AA0	
		20		3VJ1102-7DA22-0AA0	
		25		3VJ1192-7DA22-0AA0	
		32		3VJ1103-7DA22-0AA0	
		40		3VJ1104-7DA22-0AA0	
		50		3VJ1105-7DA22-0AA0	
		63		3VJ1106-7DA22-0AA0	
		80		3VJ1108-7DA22-0AA0	
		100		3VJ1110-7DA22-0AA0	
		125		3VJ1112-7DA22-0AA0	
3VJ12 (VJ1 250)		160		3VJ1216-7DA22-0AA0	
		200		3VJ1220-7DA22-0AA0	
		250		3VJ1225-7DA22-0AA0	
3VJ11 (VJ1 125)		16	3 pole	3VJ1196-7DA32-0AA0	
		20		3VJ1102-7DA32-0AA0	
		25		3VJ1192-7DA32-0AA0	
		32		3VJ1103-7DA32-0AA0	
		40		3VJ1104-7DA32-0AA0	
		50		3VJ1105-7DA32-0AA0	
		63		3VJ1106-7DA32-0AA0	
		80		3VJ1108-7DA32-0AA0	
		100		3VJ1110-7DA32-0AA0	
		125		3VJ1112-7DA32-0AA0	
3VJ12 (VJ1 250)		160		3VJ1216-7DA32-0AA0	
		200		3VJ1220-7DA32-0AA0	
		250		3VJ1225-7DA32-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-7DA32-0AA0	
		400		3VJ1340-7DA32-0AA0	
3VJ14 (VJ1 630)		500		3VJ1450-7DA32-0AA0	
		630		3VJ1463-7DA32-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ11 (VJ1 125)	55kA	16	4 pole	3VJ1196-7EA42-0AA0	
		20		3VJ1102-7EA42-0AA0	
		25		3VJ1192-7EA42-0AA0	
		32		3VJ1103-7EA42-0AA0	
		40		3VJ1104-7EA42-0AA0	
		50		3VJ1105-7EA42-0AA0	
		63		3VJ1106-7EA42-0AA0	
		80		3VJ1108-7EA42-0AA0	
		100		3VJ1110-7EA42-0AA0	
		125		3VJ1112-7EA42-0AA0	
3VJ12 (VJ1 250)		160		3VJ1216-7EA42-0AA0	
		200		3VJ1220-7EA42-0AA0	
		250		3VJ1225-7EA42-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-7EA42-0AA0	
		400		3VJ1340-7EA42-0AA0	
3VJ14 (VJ1 630)		500		3VJ1450-7EA42-0AA0	
		630		3VJ1463-7EA42-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.



3VJ molded case circuit breakers

Thermal magnetic trip unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)	
3VJ12 (VJ1 250)	18kA	160	3 pole	3VJ1216-1DB32-0AA0		
		200		3VJ1220-1DB32-0AA0		
		250		3VJ1225-1DB32-0AA0		
3VJ11 (VJ1 125)	25kA	16		3VJ1196-3DB32-0AA0		
		20		3VJ1102-3DB32-0AA0		
		25		3VJ1192-3DB32-0AA0		
		32		3VJ1103-3DB32-0AA0		
		40		3VJ1104-3DB32-0AA0		
		50		3VJ1105-3DB32-0AA0		
		63		3VJ1106-3DB32-0AA0		
		80		3VJ1108-3DB32-0AA0		
		100		3VJ1110-3DB32-0AA0		
		125		3VJ1112-3DB32-0AA0		
		3VJ12 (VJ1 250)		160	3VJ1216-3DB32-0AA0	
				200	3VJ1220-3DB32-0AA0	
250				3VJ1225-3DB32-0AA0		
3VJ13 (VJ1 400)		320		3VJ1332-3DB32-0AA0		
		400		3VJ1340-3DB32-0AA0		
3VJ11 (VJ1 125)	36kA	16		3VJ1196-5DB32-0AA0		
		20		3VJ1102-5DB32-0AA0		
		25		3VJ1192-5DB32-0AA0		
		32		3VJ1103-5DB32-0AA0		
		40		3VJ1104-5DB32-0AA0		
		50		3VJ1105-5DB32-0AA0		
		63		3VJ1106-5DB32-0AA0		
		80		3VJ1108-5DB32-0AA0		
		100		3VJ1110-5DB32-0AA0		
		125		3VJ1112-5DB32-0AA0		
3VJ12 (VJ1 250)		160		3VJ1216-5DB32-0AA0		
		200		3VJ1220-5DB32-0AA0		
		250		3VJ1225-5DB32-0AA0		
3VJ13 (VJ1 400)		320		3VJ1332-5DB32-0AA0		
		400		3VJ1340-5DB32-0AA0		
3VJ14 (VJ1 630)		500		3VJ1450-5DB32-0AA0		
		630		3VJ1463-5DB32-0AA0		

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

Thermal magnetic trip unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ12 (VJ1 250)	18kA	160	4 pole	3VJ1216-1EB42-0AA0	
		200		3VJ1220-1EB42-0AA0	
		250		3VJ1225-1EB42-0AA0	
3VJ11 (VJ1 125)	25kA	16		3VJ1196-3EB42-0AA0	
		20		3VJ1102-3EB42-0AA0	
		25		3VJ1192-3EB42-0AA0	
		32		3VJ1103-3EB42-0AA0	
		40		3VJ1104-3EB42-0AA0	
		50		3VJ1105-3EB42-0AA0	
		63		3VJ1106-3EB42-0AA0	
		80		3VJ1108-3EB42-0AA0	
		100		3VJ1110-3EB42-0AA0	
		125		3VJ1112-3EB42-0AA0	
		160		3VJ1216-3EB42-0AA0	
		200		3VJ1220-3EB42-0AA0	
3VJ12 (VJ1 250)		250		3VJ1225-3EB42-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-3EB42-0AA0	
		400		3VJ1340-3EB42-0AA0	
3VJ11 (VJ1 125)	36kA	16		3VJ1196-5EB42-0AA0	
		20		3VJ1102-5EB42-0AA0	
		25		3VJ1192-5EB42-0AA0	
		32		3VJ1103-5EB42-0AA0	
		40		3VJ1104-5EB42-0AA0	
		50		3VJ1105-5EB42-0AA0	
		63		3VJ1106-5EB42-0AA0	
		80		3VJ1108-5EB42-0AA0	
		100		3VJ1110-5EB42-0AA0	
		125		3VJ1112-5EB42-0AA0	
		160		3VJ1216-5EB42-0AA0	
		200		3VJ1220-5EB42-0AA0	
3VJ12 (VJ1 250)		250		3VJ1225-5EB42-0AA0	
3VJ13 (VJ1 400)		320		3VJ1332-5EB42-0AA0	
		400		3VJ1340-5EB42-0AA0	
3VJ14 (VJ1 630)		500		3VJ1450-5EB42-0AA0	
		630		3VJ1463-5EB42-0AA0	

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

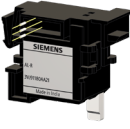
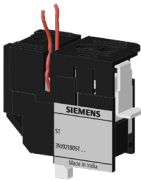
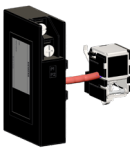
Thermal magnetic trip unit, Adjustable Thermal Fixed Magnetic (ATFM)

Frame size	Breaking capacity (Icu) @415V AC, 50/60Hz	Rated current In (A)	No. of poles	Type no.	List price per PU (Per Unit)
3VJ11 (VJ1 125)	55kA	16	3 pole	3VJ1196-7DB32-0AA0	
		20		3VJ1102-7DB32-0AA0	
		25		3VJ1192-7DB32-0AA0	
		32		3VJ1103-7DB32-0AA0	
		40		3VJ1104-7DB32-0AA0	
		50		3VJ1105-7DB32-0AA0	
		63		3VJ1106-7DB32-0AA0	
		80		3VJ1108-7DB32-0AA0	
		100		3VJ1110-7DB32-0AA0	
		125		3VJ1112-7DB32-0AA0	
160		3VJ1216-7DB32-0AA0			
200		3VJ1220-7DB32-0AA0			
250		3VJ1225-7DB32-0AA0			
320		3VJ1332-7DB32-0AA0			
400		3VJ1340-7DB32-0AA0			
500		3VJ1450-7DB32-0AA0			
630		3VJ1463-7DB32-0AA0			
3VJ11 (VJ1 125)		16	4 pole	3VJ1196-7EB42-0AA0	
		20		3VJ1102-7EB42-0AA0	
		25		3VJ1192-7EB42-0AA0	
		32		3VJ1103-7EB42-0AA0	
		40		3VJ1104-7EB42-0AA0	
		50		3VJ1105-7EB42-0AA0	
		63		3VJ1106-7EB42-0AA0	
		80		3VJ1108-7EB42-0AA0	
		100		3VJ1110-7EB42-0AA0	
		125		3VJ1112-7EB42-0AA0	
160		3VJ1216-7EB42-0AA0			
200		3VJ1220-7EB42-0AA0			
250		3VJ1225-7EB42-0AA0			
320	3VJ1332-7EB42-0AA0				
400	3VJ1340-7EB42-0AA0				
500	3VJ1450-7EB42-0AA0				
630	3VJ1463-7EB42-0AA0				

Note:
Phase barriers and front barriers are included in the standard MCCB packing.
For 3VJ10..-0..... only phase barriers are supplied as a standard offering along with MCCB.

3VJ molded case circuit breakers

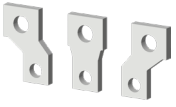
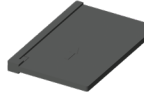
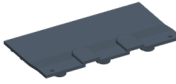
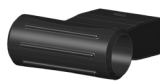
Accessories

Accessory	Product image	Accessory compartment/ coil voltage	Frame size				
			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	

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

3VJ molded case circuit breakers

Accessories

Accessory	Product image	Frame size				
		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)	
Toggle 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)	
Enclosure		3VJ9016-0DE11 (2P, 3P)	3VJ9116-0DE11 (2P, 3P)	3VJ9216-0DE12 (2P, 3P)	-	-
		3VJ9014-0DE11 (4P)	3VJ9114-0DE11 (4P)	3VJ9214-0DE12 (4P)	-	-

Note:
@ 1 set contains rotary mechanism, coupler, shaft and 8UC handle. Rotary operators are not available for 1 pole 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 and bottom).
Toggle handle extension is included in the standard packing of 3VJ13 and 3VJ14 (VJ1 400 and 630) MCCB.

SINOVA

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Published by **Siemens Philippines**

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