FlexLine®

Simply fits.

- **Speed up** installation thanks to our push-in technology.
- **Save space** through slim design.
- **Stay flexible** with our flex terminals.
- Enjoy **convenient installation** from the front.

FlexLine® introduces the next level of speed and flexibility in electrical installation, marking a further ABB milestone of a century of continuous innovation.

With its push-in-technology, FlexLine® cuts installation time by half and allows convenient cable entry from the front.

The one-size-fits-all approach of its flex terminals sets new standards of flexibility and space-saving.

Table of contents

FlexLine®

A further milestone in a century of continuous innovation

Following a century of continuous innovation that took off with the invention of the first resettable miniature circuit breaker, FlexLine® sets new standards in terms of flexibility, speed and space savings.

1923

Invention of the first Miniature Circuit Breaker by Hugo Stotz in Mannheim, Germany

1924

Patented as first ever resettable fuse

1970

DIN-rails started to facilitate the installation of multiple devices in a single panel and products were standardized

1988

World's first plug- in socket system SMISSLINE TP resettable fuse

1991

Modular system of DIN-rail protection devices System pro M compact®

2016

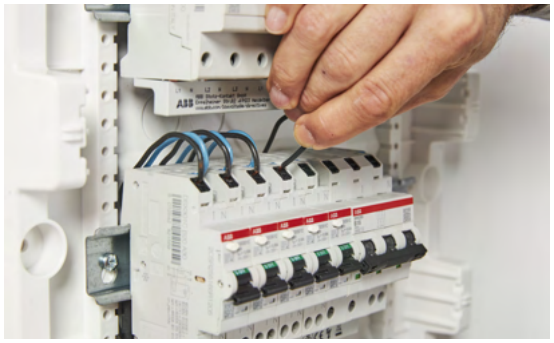
Fully automated production line in Heidelberg, Germany with X-Ray testing

2023

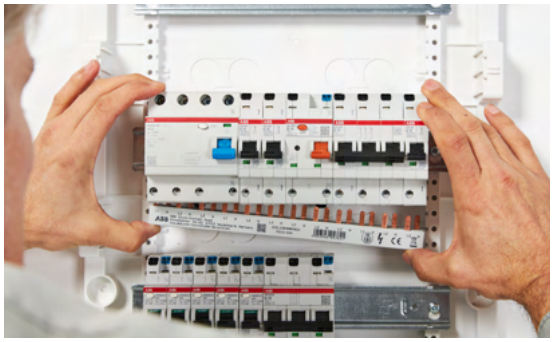
Introduction of FlexLine®, featuring push-in technology and flex terminals

Introduction of FlexLine®, featuring **push-in technology** and **flex terminals**

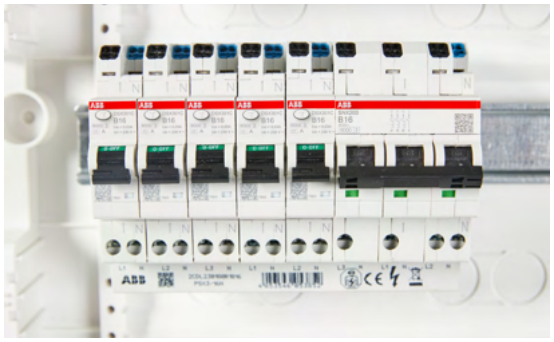
FlexLine®
Simply fits.



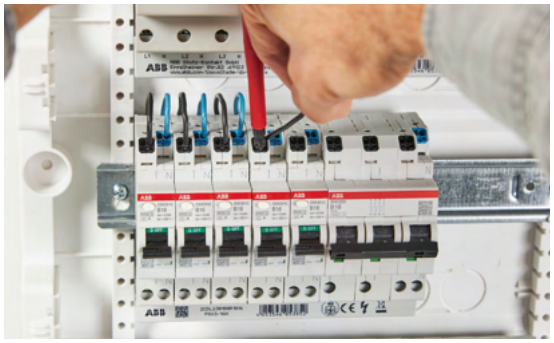
Speed up installation thanks to our push-in technology.



Stay flexible with our flex terminals.



Save space through slim design.

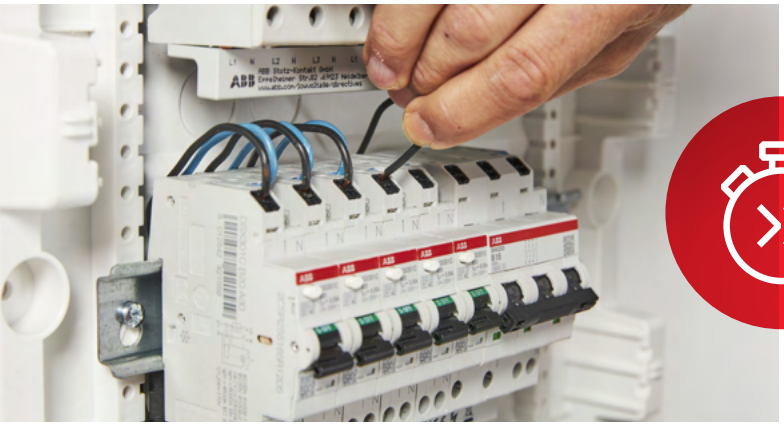


Enjoy **convenient installation** from the front.


FlexLine®
Simply fits.

FlexLine®

Speed up installation thanks to our push-in technology.

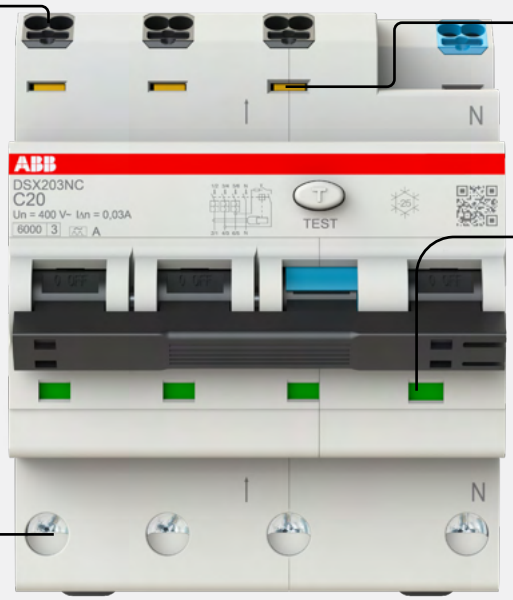


Speed up installation and save up to 50% on time with our push-in technology. Simply insert the cable by pushing horizontally against the opening of the load-side push-in terminal without the need for a screwdriver or any tools.

The force of the spring keeps the pressure on the cable at a constant level, eliminating the need to tighten them after installation, as required by most wiring regulations.
And thanks to its push-in busbar terminals, FlexLine busbars can be installed in a quick and time-saving way as well.

Push-in terminals allowing a large variety of rigid cables up to 4mm² on the load-side (up to 20A)
Insertion of flexible cables with or without ferrules up to 2.5 mm² through opening the terminal with any pointed object

Easy removal of screw covers



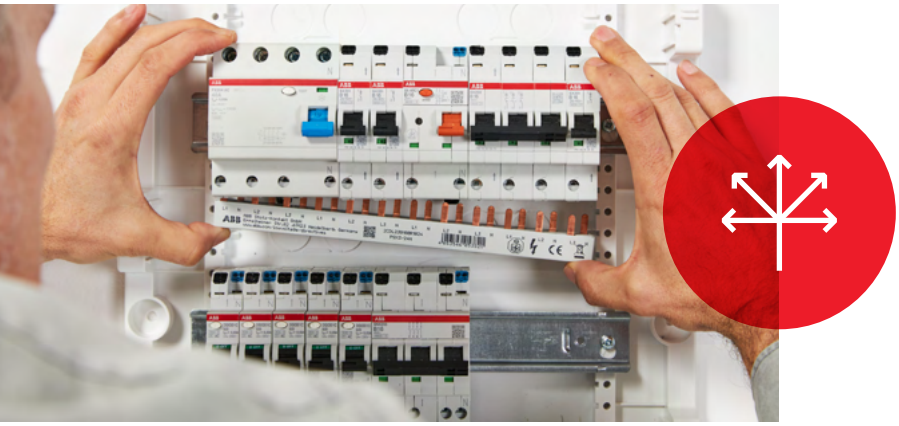
As the push-in terminals are covered, the voltage can be tested via a dedicated **voltage test window**

Supply side cable insertion (screw terminal):

- Rigid and flexible cables up to 10 mm²
- Flexible cables with ferrules up to 6 mm²
- With feed-in element up to 25 mm²


Save time through
push-in busbar terminals.

FlexLine®
Stay flexible with our flex terminals.

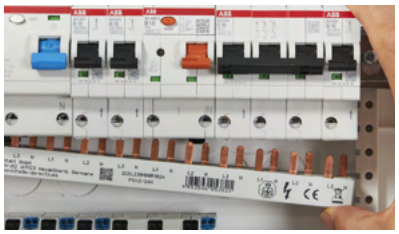


Keeping things simple, we've opted for a one size fits all approach to mounting busbars. Whenever the neutral terminals are not required, our flex terminals accommodate this busbar pin without any mechanical or electrical connection.

Both the devices as well as the busbar can be supplied with cable via a dedicated screw terminal.

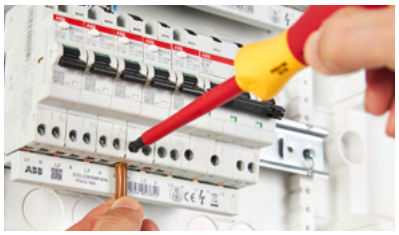
The screw terminal is designed to allow rigid, flexible cables and flexible cables with ferrules.

All FlexLine® protection devices can be flexibly combined with only one busbar, as the phase sequence is always the same. This significantly reduces the stockkeeping.



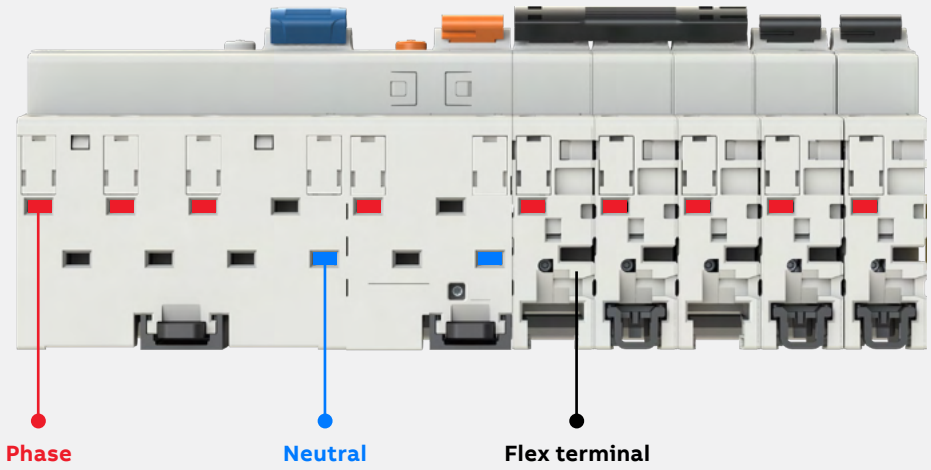
Thanks to their flex terminals, all FlexLine® protection devices can be flexibly combined with only one type of busbar, as the phase sequence is always the same.

Single devices can quickly be replaced without removing the busbar



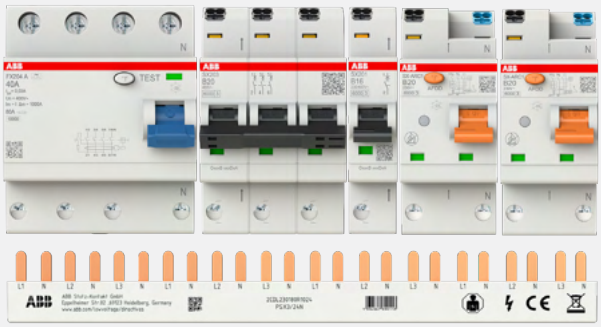
Screw terminal to supply both devices and busbar with rigid, flexible cables and flexible cables with ferrules

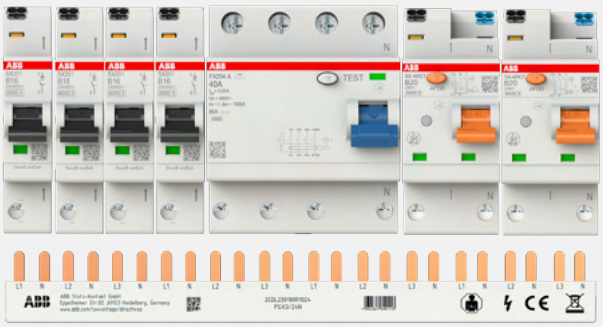
The phase sequence is always the same:

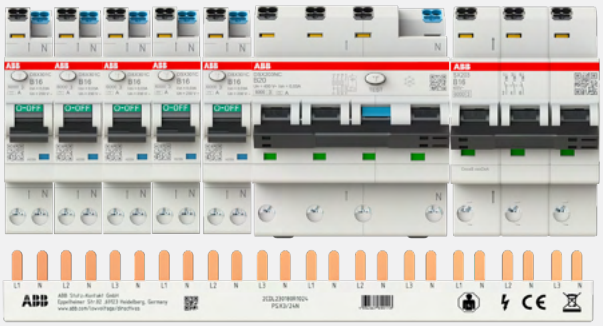


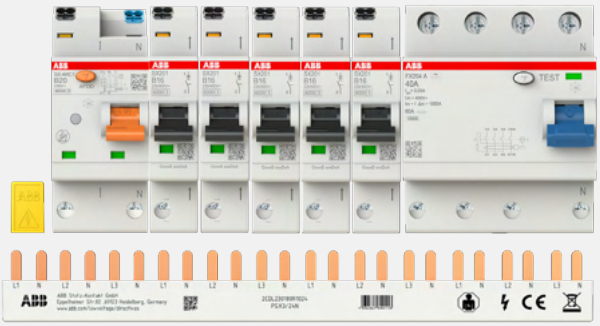
Whenever the neutral terminals are not required, our flex terminals accommodate this busbar pin without any mechanical or electrical connection

Flexibly combine FlexLine® protection devices with one type of busbar:





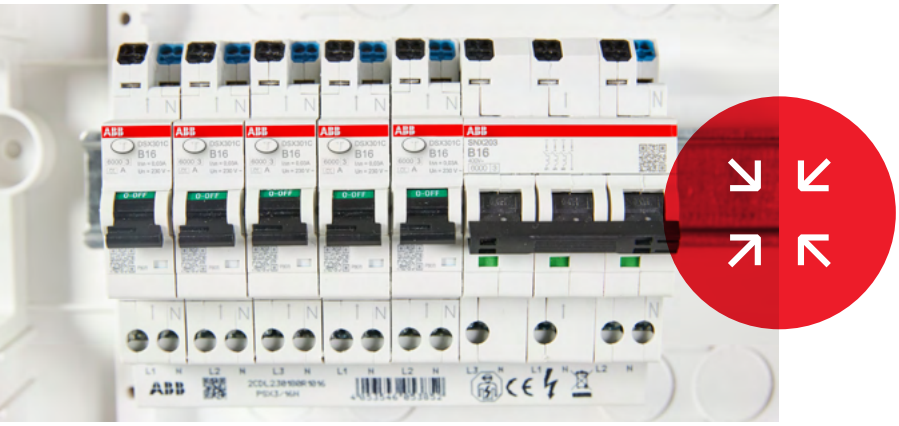




SN201 and DS301C standard screw version products are compatible with FlexLine® busbars.

FlexLine®

Save space through slim design.



More and more devices need to fit into one enclosure as selectivity and building automation requirements increase. With this in mind, FlexLine® has been developed to save up to 50% on the space in the consumer unit. The FlexLine® range does not only save space thanks to its slim design, the double slot terminals also allow the devices as well as the the busbar to be supplied without a feed in module.

This screw terminal is designed in such a way that rigid, flexible cables with or without ferrules can be inserted.

Additionally, FlexLine® protection devices can be flexibly combined with one type of busbar thanks to their flex terminals, allowing a higher number and variety of devices to fit in one row, saving even more space.

MCB 3P+N
in 3 modules

MCB 1P+N
in 1 modules

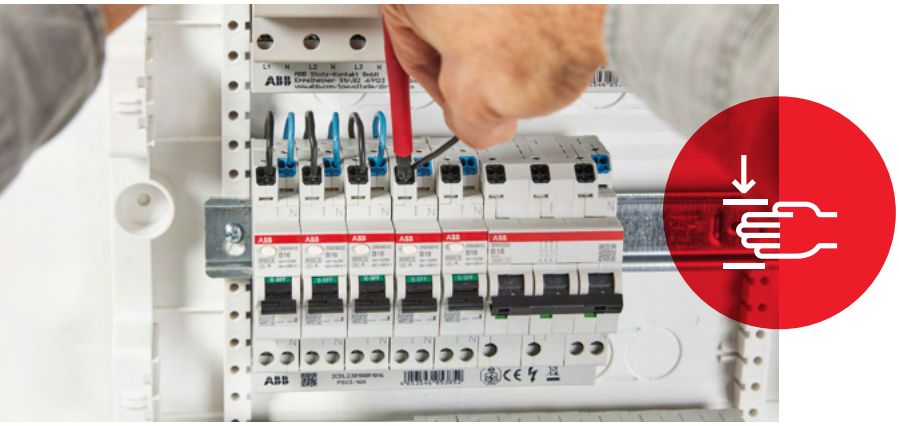
RCBO 1P+N
in 1 modules

Space-saving double-slot terminals for cable insertion to feed the busbar in case of need

FlexLine® has been developed to **save up to 50% on the space** in the consumer unit

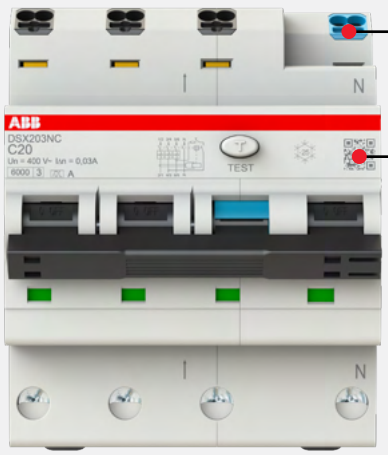
FlexLine®

Enjoy convenient installation from the front.



For the smoothest installation process possible, all load side terminals on the top have been positioned in such a way that allows horizontal cable insertion. No need to squeeze your fingers into the small gap between the rows to insert a cable now enjoy convenient installation with more space for wiring.

Release the cable with any pointed object you have at hand



Color-coded phase and neutral terminals

QR code to access all product related data, certificates and documents

FlexLine® - The next level of
speed and **flexibility.**

FlexLine®
Explore the range

FlexLine®
Simply fits.

Miniature Circuit Breaker (MCB)
SX201 / SX203/ SNX201 / SNX203

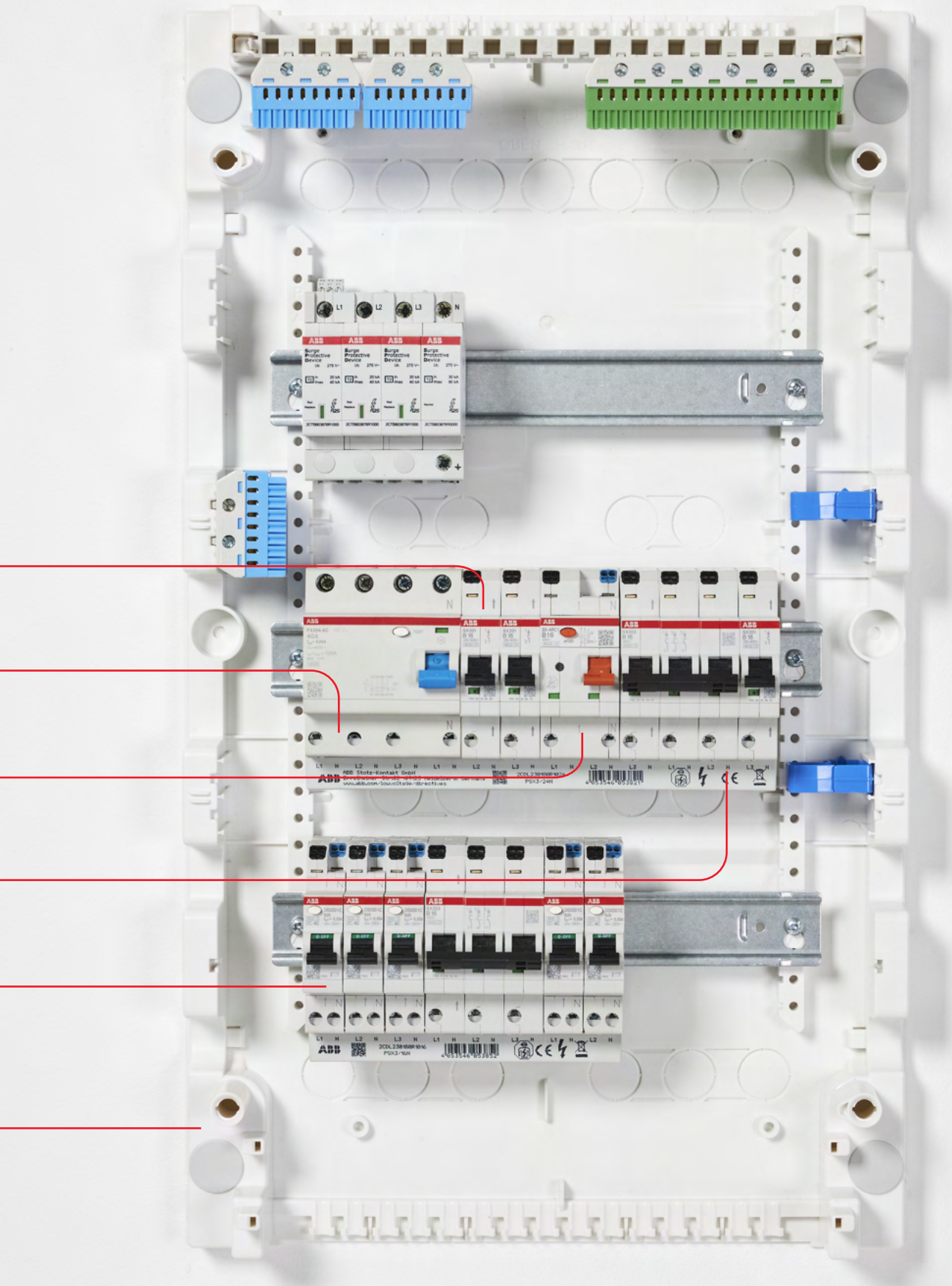
Residual Current Circuit Breaker (RCCB)
FX202/FX204

Arc Fault Detection Device (AFDD)
SX ARC1

FlexLine® busbars & accessories
PSX & BSKX

Residual Current circuit Breaker with Overcurrent detection (RCBO)
DSX301C/ DSX203NC

Consumer Unit
UK/AK600



Miniature Circuit Breakers (MCBs)

Short circuit and overload protection in any type of building

SX201 & SX203 range of Miniature Circuit Breakers (MCBs)

- 1P in 1 modules width
- 3P in 3 modules width
- Rated current up to 40 A; push-in load side terminals up to 20 A
- Breaking capacity up to 6 kA
- B & C tripping characteristics

SNX201 & SNX203 range of Miniature Circuit Breakers (MCBs)

- 1P+N in 1 module width
- 3P+N in 3 modules width
- Rated current up to 32 A; push-in load side terminals up to 20 A
- Breaking capacity up to 6 kA
- B & C tripping characteristics

Residual Current Devices (RCDs)

Accurate protection of people and electrical equipment against earth fault currents

FX202 & FX204 range of Residual Current Circuit Breakers (RCCBs)

- 2P and 4P
- Rated current of 25 A and 40 A
- Sensitivity of 30mA, type A

DSX301C range of Residual Current Circuit Breakers with Overcurrent protection (RCBOs)

- 1P+N in 1 module width
- Rated current from 6 A to 20 A
- Breaking capacity up to 6 kA
- B & C tripping characteristics
- Sensitivity of 30mA
- Push-in terminals
- A type available

DSX203NC range of Residual Current Circuit Breakers with Overcurrent protection (RCBOs)

- 3P+N in 4 modules width
- Rated current from 6 A to 20 A
- B & C tripping characteristics
- Breaking capacity up to 6 kA
- Sensitivity of 30mA
- Push-in terminals
- A type available

Arc Fault Detection Devices (AFDDs)

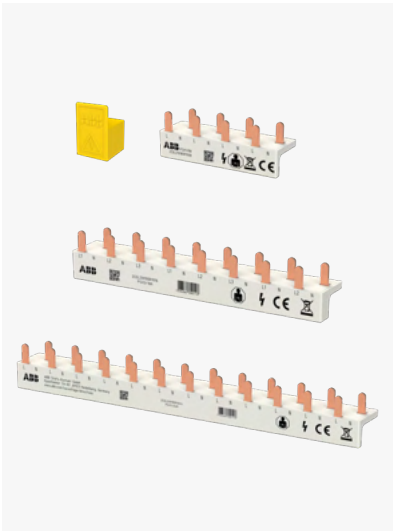
Reliable protection against series, parallel and earth arc faults, overvoltage (>275 V) and overcurrent

SX-ARC1 range of Arc Fault Detection Devices (AFDDs)

- 1P+N in 2 modules width
- Rated current up to 20 A
- Breaking capacity up to 6 kA
- B & C tripping characteristics

FlexLine® busbars & accessories

One size fits all



PSX busbars for 1P+N and 3P+N systems

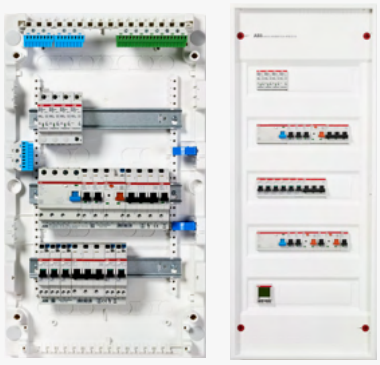
- 0.5 module step approach of phase and neutral pin in combination with flex terminal concept of protection devices allow high degree of flexibility
- Current carrying capacity of 63A (10mm²)
- 3P+N busbars available in 12 and 8 module length
- 1P+N busbars available in 12, 6 and 4 module length
- Busbar shape allows access to additional screw terminal on the bottom as well as to the DIN-Rail clip in order to release the main device from the DIN-Rail without re-moving the busba

BSKX Shock protection caps

- Shock protection caps for unoccupied busbar pins

AK600 & UK600 Consumer Units

Maximum flexibility for flush- and wall-mounting



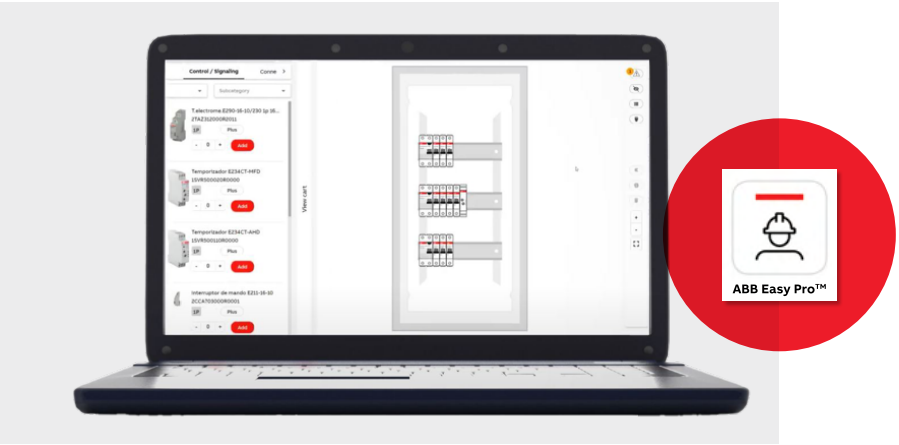
AK600
Wall-mounted consumer unit

UK600
Flush-mounted consumer unit

AK600 & UK 600 Consumer Units

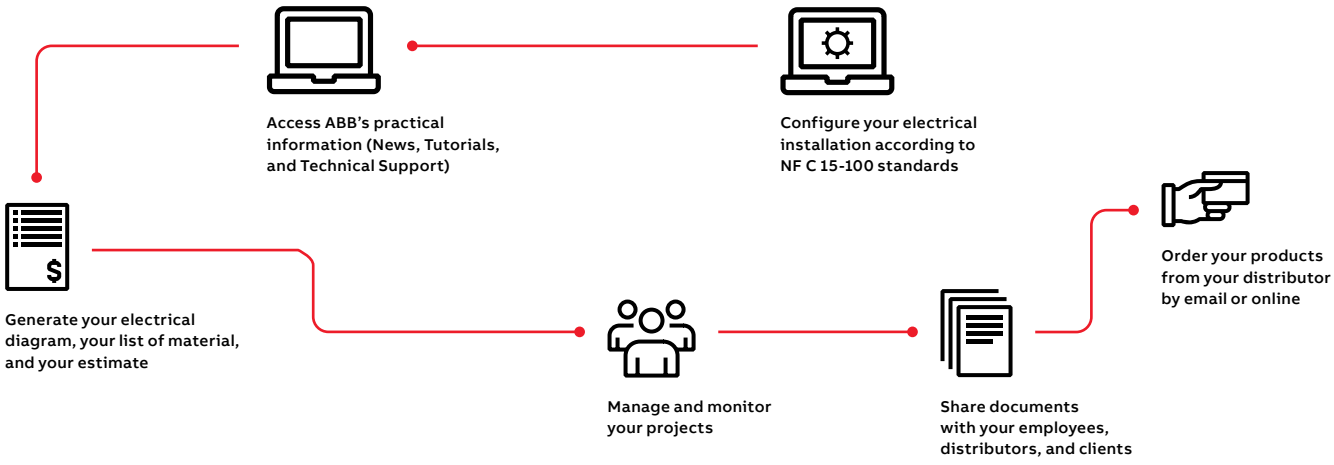
- Perfectly suited for residential and small commercial applications
- Wall- and flush-mounted consumer units
- Maximum flexibility – design door options & a wide choice of common accessories for both AK600 & UK600
- Large wiring space for convenient installation
- Also available as Media and Combi enclosures

Configure FlexLine® with ABB Easy Pro™ Web



Save even more time by configuring FlexLine® with ABB Easy Pro™ Web, specifically designed for electricians to manage their daily projects with just a few clicks via laptop or any mobile device. Create your final distribution projects by ensuring compliance with local standards with these simple steps:

- Create the project using the web-based configurator
- Select enclosures
- Add the products you want
- Easily configure and group products
- Add busbars and accessories
- Add convenient labeling
- Customize it to your customers' needs



Configure FlexLine®:

Technical Data

Miniature Circuit Breaker SX200

SX200

				Miniature Circuit Breaker SX200
General Data	Standards			IEC/EN 60898-1
	Poles			1P, 3P
	Tripping characteristics			B, C
	Rated current I_n			6, 10, 13, 16, 20, 25, 32, 40A
	Rated frequency f			50 / 60 Hz
	Rated insulation voltage Ui acc. to IEC/EN 60664-1			440 V AC (phase to phase)
	Overvoltage category			III
	Pollution degree			3
Data acc. to IEC/EN 60898-1	Rated operational voltage U_n			1P: 230/400 V AC; 3P: 400 V AC
	Max. power frequency recovery voltage (U_{max})			1P: 253 V AC; 3P: 440 V AC
	Min. operating voltage			12 V AC - 12 V DC
	Rated short-circuit capacity I_{cn}			6 kA
	Energy limiting class			3
	Rated impulse withstand voltage $U_{imp.}$ (1.2/50µs)			4 kV (test voltage 6.2 kV at sea level, 5 kV at 2,000 m)
	Dielectric test voltage			2 kV (50 / 60Hz, 1 min.)
	Reference temperature for tripping characteristics			30°C
	Electrical endurance			In < 32A: 20,000 ops (AC), In ≥ 32A: 10,000 ops. (AC); 1,000 ops. (DC); (1 cycle 2s - ON, 13s - OFF, In ≤ 32A), (1 cycle 2s - ON, 28s - OFF, In > 32A)
Mechanical Data	Housing			Insulation group II, RAL 7035
	Toggle			Insulation group II, black, sealable
	Contact position indication			Marking on toggle (I ON / 0 OFF), Real CPI (red ON / green OFF)
	Protection degree acc. to EN 60529	terminal		IP20
		in enclosure with cover		IP40
	Mechanical endurance			20,000 ops.
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30			28 cycles with 55°C/90-96% and 25°C/95-100%
	Ambient temperature			-25 … +55°C
	Storage temperature			-40 … +70°C
Installation	Terminal		top	≤20A: push-in spring terminal; >20A: Failsafe bi-directional cylinder-lift terminal
			bottom	push-in busbar terminal, screw terminal for cable
	Cross-section of conductors (top / bottom)		top ≤20A:	rigid: 1…4mm² flexible: 1…2,5mm²; flexible with ferrule: 1…2,5mm²
			top >20A:	rigid: 1…35mm² flexible: 1…25mm²; flexible with ferrule: 1…25mm²
			bottom	rigid/flexible: 1…10mm²; flexible with ferrule: 1…6mm²
	Cross-section of busbars (bottom)			10 mm²
	Tightening Torque		top	≤20A: push-in >20A: 2,8Nm
			bottom	1,2Nm
	Screwdriver			No. 2 Pozidrive
	Mounting			On DIN rail 35 mm acc. to EN 60715 by fast clip
	Mounting position			any
	Supply			bottom
Dimensions and weight	Mounting dimensions acc. to DIN 43880			Mounting dimension 1
	Pole dimensions (H x D x W)			88 x 69 x 17.5 mm
	Pole weight			approx. 115 g

Miniature Circuit Breaker SNX200

SNX200

				Miniature Circuit Breaker SNX201/203
General Data	Standards			IEC/EN 60898-1
	Poles			1P+N, 3P+N
	Tripping characteristics			B, C
	Rated current I_n			6, 10, 13, 16, 20, 25, 32A
Electrical Data	Rated frequency f			50 Hz
	Rated insulation voltage Ui acc. to DIN EN 60664-1			500 V AC
	Overvoltage category			III
	Pollution degree			2
	Rated operational voltage U_n			1P+N: 230 V AC 3P+N: 400 V AC
	Max. power frequency recovery voltage (U_{max})			1P+N: 253 V AC; 3P+N: 440 V AC
	Min. operating voltage			12 V AC
	Rated short-circuit capacity I_{cn}			6 kA
	Rated making and breaking capacity of one individual pole I_{cn1}			6 kA
	Energy limiting class			3
	Rated impulse withstand voltage $U_{imp.}$ (1.2/50µs)			4 kV (test voltage 6,2kV at sea level, 5kV at 2000m)
	Dielectric test voltage			2.5 kV (50 / 60Hz, 1 min.)
	Reference temperature for tripping characteristics			30°C
	Electrical endurance			10000 operations
Mechanical Data	Housing			Insulation group I, RAL 7035
	Toggle			black, sealable in ON/OFF positions
	Contact position indication			Marking on toggle (I ON / 0 OFF) Real CPI (red ON / green OFF)
	Protection degree acc. to EN 60529	terminal		IP20
		in enclosure with cover		IP40
	Mechanical endurance			20000 ops.
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30			28 cycles with 55°C/90-96% and 25°C/95-100%
	Ambient temperature (with daily average ≤ +35°C)			-25 … +55°C
	Storage temperature			-40 … +70°C
Installation	Terminal		top	≤20A: push-in spring terminal; >20A: screw terminal
			bottom	push-in busbar terminal, screw terminal for cable
	Cross-section of conductors (top / bottom)		top	≤20A: rigid: 1…4mm² flexible: 1…2,5mm² flexible with ferrule: 1…2,5mm² >20A: rigid 1…16 mm²; Flexible, flexible with Ferrule 1…10 mm²
			bottom	rigid/flexible: 1…10mm²; flexible with ferrule: 1…6mm²
	Cross-section of busbars (bottom)			10 mm²
	Tightening Torque		top	≤20A: push-in >20A: 1,2Nm
			bottom	1,2Nm
	Screwdriver			No. 2 Pozidrive
	Mounting			On DIN rail 35 mm acc. to EN 60715 by fast clip
	Mounting position			any
	Supply			bottom
Dimensions and weight	Pole dimensions (H x D x W)			85 x 68.9 x 17.6 mm
	Pole weight			1P+N: 85g - 3P+N: 275g

Residual Current Circuit Breaker FX200

FX200

			Residual Current Circuit Breaker FX200
General Data	Standards		IEC/EN 61008-1; IEC/EN 61008-2-1
	Type (wave form of the earth leakage sensed)		A
	Number of poles		2P , 4P
	Rated current I_n		25A, 40A
	Rated sensitivity ID_n		30mA
Electrical features	Rated voltage U_e		230/400V AC
	Insulation voltage U_i		500V AC
	Operating voltage of circuit test U_t		170-254V AC
	Rated frequency		50Hz
	Rated conditional short-circuit current Inc=IΔc		10 kA (coordination with fuse gG 80A)
	Rated residual breaking capacity IΔm=Im		1 kA
	Rated impulse withstand voltage (1.2/50) $U_{imp.}$		4 kV
	Dielectric test voltage at ind. freq. for 1 min.		2,5 kV
	Overvoltage category		III, disconnector abilities
	Pollution degree		2
Mechanical Data	Housing		Insulation group II, RAL 7035
	Toggle		blue, sealable in ON-OFF positions
	Contact position indicator (CPI)		Marking on toggle (I ON / 0 OFF) Real CPI (red ON / green OFF)
	Electrical life		10000 ops.
	Mechanical life		20000 ops.
	Protection degree acc. to EN 60529	terminal	IP20
		in enclosure with cover	IP40
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30		28 cycles with 55°C/90-96% and 25°C/95-100%
	Ambient temperature (with daily average ≤ +35 °C)		-25…+55
	Storage temperature		-40…+70
Installation	Terminal	top	failsafe bi-directional cylinder-lift terminal
		bottom	push-in busbar terminal; screw terminal for cable
	Cross-section of conductors (top / bottom)	top	rigid/flexible 1…25mm²
		bottom	rigid/flexible: 1…10mm²; flexible with ferrule: 1…6mm²
	Cross-section of busbars (bottom)		10 mm²
	Tightening Torque	top	2,8Nm
		bottom	1,2Nm
	Screwdriver		No. 2 Pozidrive
	Mounting		On DIN rail 35 mm acc. to EN 60715 by fast clip
	Mounting position		any
	Supply		top
Dimensions and weight	Dimensions (H x D x W) - 2P		85 x 69 x 35 mm
	4P		85 x 69 x 70 mm
	Weight - 2P		180
	4P		320

Residual Current Breaker with Overcurrent protection DSX301C

DSX301C

				Residual Current Breaker with Overcurrent protection DSX301C
General Data	Standards			IEC/EN 61009-1; IEC/EN 61009-2-1
	Type (wave form of the earth leakage sensed)			A
	Number of poles			1P+N
	Tripping characteristic			B, C
	Rated current I_n			6, 10, 13, 16, 20A
	Rated sensitivity IΔn			30mA
	Rated breaking capacity acc. To IEC/EN 61009-1 - I_{cs}			6000A
	Rated voltage U_e			230V AC
Electrical Data	Insulation voltage U_i			500 V AC
	Overvoltage category			III
	Pollution degree			2
	Operating voltage of circuit test U_t			170V AC
	Rated frequency			50Hz
	Rated breaking capacity - ultimate I_{cu}			6kA
	acc. To IEC/EN 60947-2 (only referring to short circuit test) - service I_{cs}			6kA
	Rated residual breaking capacity IΔM according to EN 61009-1 -			6000 A (4500 A for In 20 A)
	Rated residual breaking capacity IDM according to IEC 61009-1			4500 A (3000 A for In 20 A)
	Rated impulse withstand voltage (1.2/50) $U_{imp.}$			4KV
	Dielectric test voltage at ind. Freq. For 1 min.			2.5 (50 Hz, 1 min)
	Energy limiting class acc. To EN 61009-1			3
Mechanical Data	Housing			Insulation group I, RAL 7035
	Toggle			Insulation group II, Black RAL 9005, sealable in ON-OFF positions
	Contact position indication			Marking on toggle (I ON / 0 OFF)
	Earth fault trip indication			Blue flag window
	Electrical life			7000 ops.
	Mechanical life			7000 ops.
	Protection degree acc. to EN 60529	terminal		IP20
		in enclosure with cover		IP40
	Environmental conditions (damp heat) acc. IEC/ EN 60068-2-30			28 cycles with 55°C/90-96% and 25°C/95-100%
	Reference temperature for setting of thermal element			30°C
	Ambient temperature (with daily average ≤ +35°C)			-25...+55°C
	Storage temperature			-40...+70°C
Installation	Terminal		top	push-in spring terminal
			bottom	push-in busbar terminal, screw terminal for cable
	Cross-section of conductors (top / bottom)		top	rigid: 1...4mm² flexible: 1...2,5mm²; flexible with ferrule: 1...2,5mm²
			bottom	rigid/flexible: 1...10mm²; flexible with ferrule: 1...6mm²
	Cross-section of busbars (bottom)			10 mm²
	Tightening Torque		top	push-in
			bottom	1,2Nm
	Screwdriver			No. 2 Pozidrive
	Mounting			On DIN rail 35 mm acc. to EN 60715 by fast clip
	Mounting position			any
	Supply			bottom
Dimensions and weight	Dimensions (H x D x W)			92mm x 68mm x 17.6mm
	Weight			110g

Residual Current Circuit Breaker DSX203NC

DSX203NC

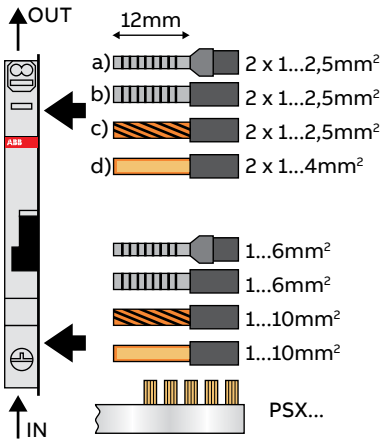
			Residual Current Circuit Breaker DSX203NC
General Data	Standards		IEC/EN 61009-1; IEC/EN 61009-2-1
	Type (wave form of the earth leakage sensed)		A
	Tripping characteristic		B, C
	Number of poles		3P+N
	Rated current In		6, 10, 13, 16, 20A
	Rated sensitivity IDn		30mA
Electrical features	Rated voltage U_e		400V AC
	Insulation voltage U_i		500 V AC
	Overvoltage category		III
	Pollution degree		2
	Rated frequency		50 Hz
	Rated breaking capacity acc. to IEC/ EN 61009 - I_{cn}		6000 A
	Rated breaking capacity acc. to IEC/EN 60947-2 - ultimate I_{cu}		10 kA
	- service I_{cs}		6 kA
	Rated residual breaking capacity IDm acc. to EN 61009		6 kA
	Rated residual breaking capacity IDm acc. to IEC 61009		4,5 kA
	Rated impulse withstand voltage (1.2/50) $U_{imp.}$		4 kV
	Dielectric test voltage at ind. freq. for 1 min.		2,5 kV
Mechanical Data	Housing		Insulation group I, RAL 7035
	Toggle		black, sealable in ON-OFF positions
	Flag indicator		Differential trip indicator: blue on toggle
	Contact position indication		Marking on toggle (I ON / 0 OFF) Real CPI (red ON / green OFF)
	Electrical life		7000 ops.
	Mechanical life		20000 ops.
	Protection degree acc. to EN 60529	terminal	IP20
		in enclosure with cover	IP40
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30		28 cycles with 55°C/90-96% and 25°C/95-100%
	Reference temperature for setting of thermal element		30°C
	Ambient temperature (with daily average ≤ +35 °C)		-25...+55°C
	Storage temperature		-40...+70°C
Installation	Terminal	top	push-in spring terminal
		bottom	push-in busbar terminal; screw terminal for cable
	Cross-section of conductors (top / bottom)	top	rigid: 1...4mm² flexible: 1...2,5mm²; flexible with ferrule: 1...2,5mm²
		bottom	rigid/flexible: 1...10mm²; flexible with ferrule: 1...6mm²
	Cross-section of busbars (bottom)		10 mm²
	Tightening Torque	top	push-in
		bottom	1,2Nm
	Screwdriver		No. 2 Pozidrive
	Mounting		On DIN rail 35 mm acc. to EN 60715 by fast clip
	Mounting position		any
	Supply		bottom
Dimensions and weight	Dimensions (H x D x W)		85 x 69 x 70.4mm
	Weight		360g

Arc Fault Detection Device SX-ARC

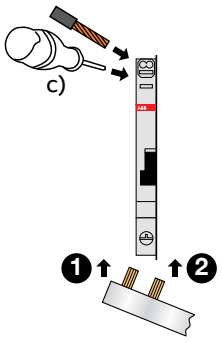
SX-ARC

				Arc Fault Detection Device SX-ARC
General Data	Standards			IEC/EN 62606; IEC/EN 60898-1
	Number of poles			1P + N
	Rated current I_n			6, 10, 13, 16, 20A
	Rated voltage U_e			230V AC
	Tripping Characteristic			B, C
Electrical Functions	Insulation voltage U_i			500 V AC
	Overvoltage category			III
	Pollution degree			2
	Min. operating voltage			170V AC
	Threshold for protection against overvoltage			275V AC
	Rated frequency			50 Hz
	Rated breaking capacity acc. to IEC/EN 60898-1 - I_{cn}			6kA
	Rated breaking capacity acc. to IEC/EN 60947-2 (only referring to short circuit test) - ultimate I_{cu}			7,5kA
	Rated breaking capacity acc. to IEC/EN 60947-2 (only referring to short circuit test) - service I_{cs}			6kA
	Rated impulse withstand voltage (1.2/50) U_{imp}			4kV
	Dielectric test voltage at ind. freq. for 1 min.			2.5kV (50/60 Hz, 1 min.)
	Energy limiting class			3
Mechanical Data	Housing			Insulation group I, RAL 7035
	Toggle			Orange RAL 2004, sealable in ON-OFF-positions
	Contact position indication			Marking on toggle (I ON / 0 OFF) Real CPI (red ON / green OFF)
	Electrical life			10000 ops.
	Mechanical life			20000 ops.
	Protection degree acc. to EN 60529	terminal		IP20
		in enclosure with cover		IP40
	Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30			28 cycles with 55°C/90 – 96% and 25°C/95 – 100%
	Reference temperature for setting of thermal element			30°C
	Ambient temperature (with daily average ≤ +35 °C)			-25…+55°C
	Storage temperature			-40…+70°C
Installation	Terminal		top	push-in spring terminal
			bottom	push-in busbar terminal; screw terminal for cable
	Cross-section of conductors (top / bottom)		top	rigid: 1…4mm² flexible: 1…2,5mm²; flexible with ferrule: 1…2,5mm²
			bottom	rigid/flexible: 1…10mm²; flexible with ferrule: 1…6mm²
	Cross-section of busbars (bottom)			10 mm²
	Tightening Torque		top	push-in
			bottom	1,2Nm
	Screwdriver			No. 2 Pozidrive
	Mounting			On DIN rail 35 mm acc. to EN 60715 by fast clip
	Mounting position			any
	Supply			bottom
Dimensions and weight	Dimensions (H x D x W)			85 x 69 x 35 mm
	Weight			170g

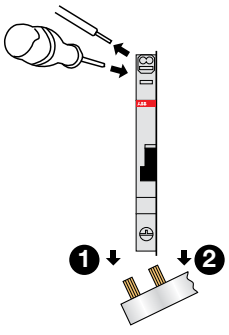
Instruction for use of FlexLine®



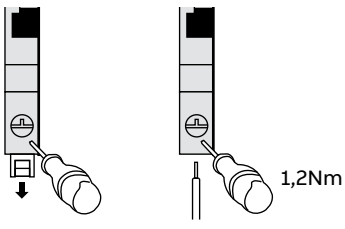
Distribution boards with metal cover
The distance from a metallic cover to the “shoulder”of the miniature circuit breaker must be at least 6 mm on the load side due to the arrangement of the easiliy accessible measurement point.



Push in of cables and busbar assambly
- The top screwless terminal is composed of two separate and parallel terminals. Each terminal opening can be connected with one rigid or flexible cable.
- Rigid and flexible cables with end sleeves may be directly connected.
- If flexible cables without end sleeves (c) are to be connected, the terminal must be opened with a srewdriver by pushing in the cover part. Splicing of the wires must be avoided.
- The cable must be inserted into the terminal either as far as possible or in such a way that a sufficient connection is obvious.
- The tightness of the connection must be checked.
- It is recommended to push the busbar inside the screwless terminals, starting from one side to the other side.



Cable removal and busbar disassambly
- The cables may only be removed after operating the terminal’s opening mechanism.
- If one cable is removed, the correct position of the correct position of the remaining cable must be checked



Feed in via cable on bottom terminal
- FlexLine® devices can be supplied either via PSX busbar or via cable. In case of cable feed-in the plastic part covering the screw needs to be removed.
- Nominal torque is 1,2Nm

Ordering data for FlexLine®

SX201 FlexLine® MCBs, 1P, Tripping characteristics B & C, 6kA

Type	EAN	Order code	Weight (g)	Packaging unit
SX201-B6	4053546052480	2CDS251003R0065	125	10
SX201-B10	4053546052503	2CDS251003R0105	125	10
SX201-B13	4053546052527	2CDS251003R0135	125	10
SX201-B16	4053546052541	2CDS251003R0165	125	10
SX201-B20	4053546052565	2CDS251003R0205	125	10
SX201-B25	4053546052589	2CDS251003R0255	125	10
SX201-B32	4053546052602	2CDS251003R0325	125	10
SX201-B40	4053546052626	2CDS251003R0405	125	10
SX201-C6	4053546051841	2CDS251003R0064	125	10
SX201-C10	4053546052497	2CDS251003R0104	125	10
SX201-C13	4053546052510	2CDS251003R0134	125	10
SX201-C16	4053546052534	2CDS251003R0164	125	10
SX201-C20	4053546052558	2CDS251003R0204	125	10
SX201-C25	4053546052572	2CDS251003R0254	125	10
SX201-C32	4053546052596	2CDS251003R0324	125	10
SX201-C40	4053546052619	2CDS251003R0404	125	10

SX203 FlexLine® MCBs, 3P, Tripping characteristics B & C, 6kA

Type	EAN	Order code	Weight (g)	Packaging unit
SX203-B6	4053546052640	2CDS253003R0065	375	1
SX203-B10	4053546052664	2CDS253003R0105	375	1
SX203-B13	4053546052688	2CDS253003R0135	375	1
SX203-B16	4053546052701	2CDS253003R0165	375	1
SX203-B20	4053546052725	2CDS253003R0205	375	1
SX203-B25	4053546052749	2CDS253003R0255	375	1
SX203-B32	4053546052763	2CDS253003R0325	375	1
SX203-B40	4053546052787	2CDS253003R0405	375	1
SX203-C6	4053546052633	2CDS253003R0064	375	1
SX203-C10	4053546052657	2CDS253003R0104	375	1
SX203-C13	4053546052671	2CDS253003R0134	375	1
SX203-C16	4053546052695	2CDS253003R0164	375	1
SX203-C20	4053546052718	2CDS253003R0204	375	1
SX203-C25	4053546052732	2CDS253003R0254	375	1
SX203-C32	4053546052756	2CDS253003R0324	375	1
SX203-C40	4053546052770	2CDS253003R0404	375	1

SNX201 FlexLine® MCBs, 1P+N, Tripping characteristics B & C, 6kA

Type	EAN	Order code	Weight (g)	Packaging unit
SNX201-B6	8012542518150	2CSS255301R0065	110	6
SNX201-B10	8012542518259	2CSS255301R0105	110	6
SNX201-B13	8012542518358	2CSS255301R0135	110	6
SNX201-B16	8012542518457	2CSS255301R0165	110	6
SNX201-B16	8012542428954	2CSS255301U0165	110	96
SNX201-B20	8012542518556	2CSS255301R0205	110	6
SNX201-B25	8012542519157	2CSS255301R0255	110	6
SNX201-B32	8012542519256	2CSS255301R0325	110	6
SNX201-C6	8012542518655	2CSS255301R0064	110	6
SNX201-C10	8012542518754	2CSS255301R0104	110	6
SNX201-C13	8012542518853	2CSS255301R0134	110	6
SNX201-C13	8012542431152	2CSS255301U0134	110	96
SNX201-C16	8012542518952	2CSS255301R0164	110	6
SNX201-C16	8012542431954	2CSS255301U0164	110	96
SNX201-C20	8012542519058	2CSS255301R0204	110	6
SNX201-C25	8012542519454	2CSS255301R0254	110	6
SNX201-C32	8012542519553	2CSS255301R0324	110	6

SNX201 FlexLine® MCBs, 3P+N/3M, Tripping characteristics B & C, 6kA

Type	EAN	Order code	Weight (g)	Packaging unit
SNX203-B6	8012542519751	2CSS256301R0065	330	1
SNX203-B10	8012542519850	2CSS256301R0105	330	1
SNX203-B13	8012542519959	2CSS256301R0135	330	1
SNX203-B16	8012542520054	2CSS256301R0165	330	1
SNX203-B20	8012542520153	2CSS256301R0205	330	1
SNX203-B25	8012542520757	2CSS256301R0255	330	1
SNX203-B32	8012542520856	2CSS256301R0325	330	1
SNX203-C6	8012542520252	2CSS256301R0064	330	1
SNX203-C10	8012542520351	2CSS256301R0104	330	1
SNX203-C13	8012542520450	2CSS256301R0134	330	1
SNX203-C16	8012542520559	2CSS256301R0164	330	1
SNX203-C20	8012542520658	2CSS256301R0204	330	1
SNX203-C25	8012542521051	2CSS256301R0254	330	1
SNX203-C32	8012542521150	2CSS256301R0324	330	1

FX202/FX204 FlexLine® RCCBs, 2P/4P, Type A, 30 mA

Type	EAN	Order code	Weight (g)	Packaging unit
FX202 A-25A/0.03	8012542417651	2CSF202165R1250	200	1
FX202 A-40A/0.03	8012542416852	2CSF202165R1400	200	1
FX204 A-25A/0.03	8012542416951	2CSF204165R1250	360	1
FX204 A-40A/0.03	8012542417255	2CSF204165R1400	360	1

DSX301C FlexLine® RCBOs, 1P+N/1M, 6kA, 30 mA

Type	EAN	Order code	Weight (g)	Packaging unit
DSX301C B6 A30	8012542418351	2CSR255165R1065	110	1
DSX301C B10 A30	8012542418450	2CSR255165R1105	110	1
DSX301C B13 A30	8012542418559	2CSR255165R1135	110	1
DSX301C B16 A30	8012542418658	2CSR255165R1165	110	1
DSX301C B16 A30	8012542421450	2CSR255165U1165	110	96
DSX301C B20 A30	8012542421559	2CSR255165R1205	110	1
DSX301C C6 A30	8012542422457	2CSR255165R1064	110	1
DSX301C C10 A30	8012542422556	2CSR255165R1104	110	1
DSX301C C13 A30	8012542423157	2CSR255165R1134	110	1
DSX301C C13 A30	8012542423256	2CSR255165U1134	110	96
DSX301C C16 A30	8012542426554	2CSR255165R1164	110	1
DSX301C C16 A30	8012542427858	2CSR255165U1164	110	96
DSX301C C20 A30	8012542428251	2CSR255165R1204	110	1

DSX203NC FlexLine® RCBOs, 3P+N, 6kA, 30 mA

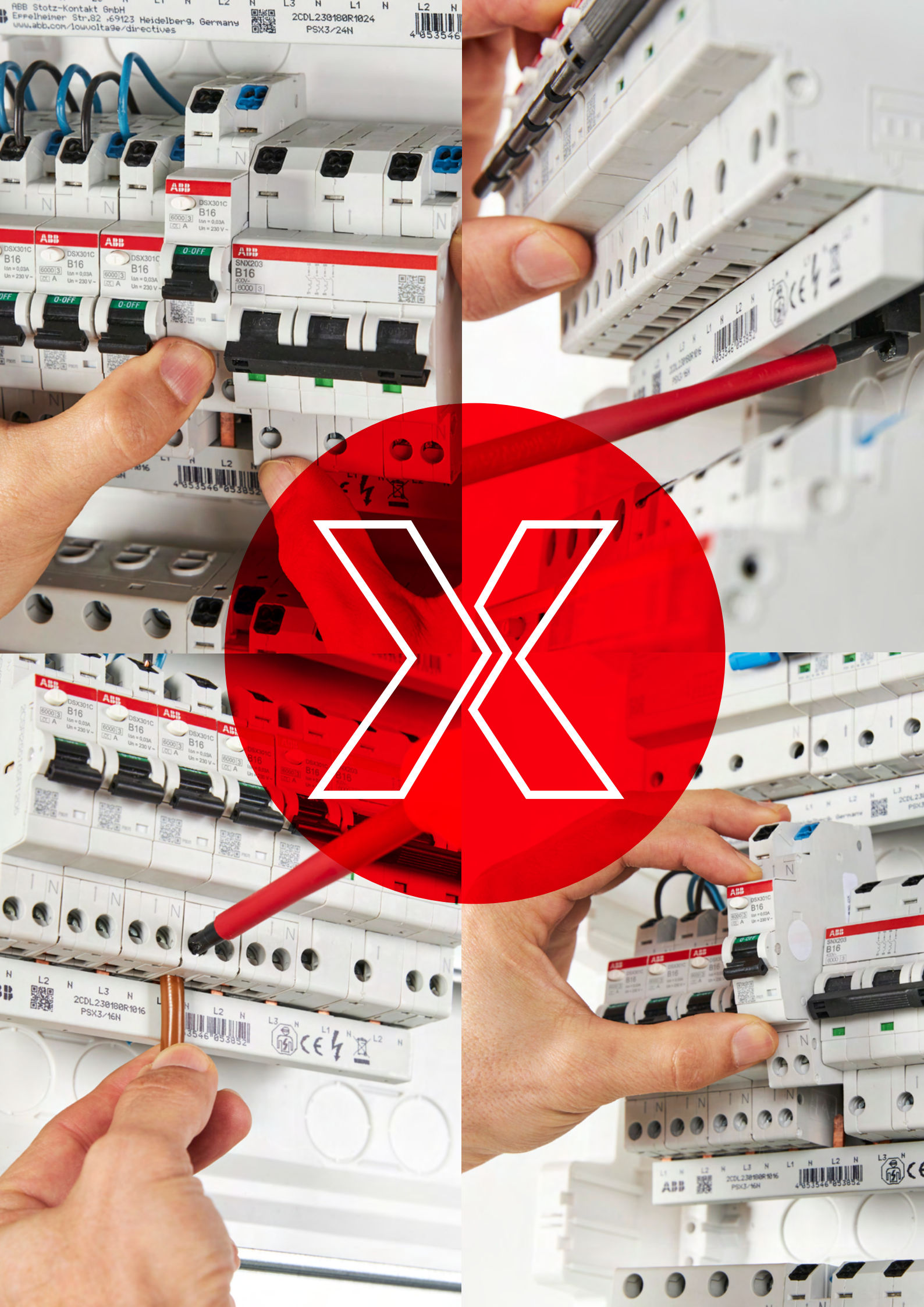
Type	EAN	Order code	Weight (g)	Packaging unit
DSX203NC B6 A30	8012542527756	2CSR256192R1065	480	1
DSX203NC B10 A30	8012542527855	2CSR256192R1105	480	1
DSX203NC B13 A30	8012542527954	2CSR256192R1135	480	1
DSX203NC B16 A30	8012542528050	2CSR256192R1165	480	1
DSX203NC B20 A30	8012542528159	2CSR256192R1205	480	1
DSX203NC C6 A30	8012542528258	2CSR256192R1064	480	1
DSX203NC C10 A30	8012542528357	2CSR256192R1104	480	1
DSX203NC C13 A30	8012542528456	2CSR256192R1134	480	1
DSX203NC C16 A30	8012542528555	2CSR256192R1164	480	1
DSX203NC C20 A30	8012542528654	2CSR256192R1204	480	1

SX-ARC1 FlexLine® AFDDs, 1P+N, Tripping characteristics B & C, 6kA

Type	EAN	Order code	Weight (g)	Packaging unit
SX-ARC1 B6	8012542517153	2CSA255908R9065	180	1
SX-ARC1 B10	8012542517252	2CSA255908R9105	180	1
SX-ARC1 B13	8012542517351	2CSA255908R9135	180	1
SX-ARC1 B16	8012542517450	2CSA255908R9165	180	1
SX-ARC1 B20	8012542517559	2CSA255908R9205	180	1
SX-ARC1 C6	8012542517658	2CSA255908R9064	180	1
SX-ARC1 C10	8012542517757	2CSA255908R9104	180	1
SX-ARC1 C13	8012542517856	2CSA255908R9134	180	1
SX-ARC1 C16	8012542517955	2CSA255908R9164	180	1
SX-ARC1 C20	8012542518051	2CSA255908R9204	180	1

PSX FlexLine® busbars & BSKX shock protection cap

Type	EAN	Order code	Weight (g)	Packaging unit
PSX3/24N	4053546053821	2CDL230180R1024	113	15
PSX3/16N	4053546053852	2CDL230180R1016	65	5
PSX1/24N	4053546053876	2CDL210180R1024	85	15
PSX1/12N	4053546053890	2CDL210180R1012	36	5
PSX1/8N	4053546053913	2CDL210180R1008	23	5
BSKX	4053546054019	2CDL200180R0013	2	30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SNX203
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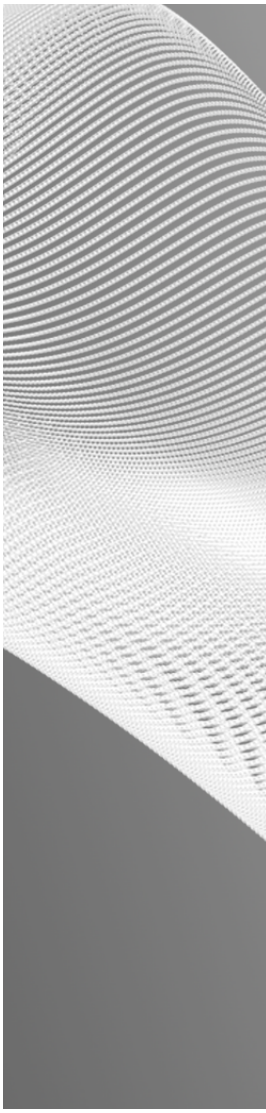

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