

## CATALOG

# **SlimLine XR Gold**

## Switch disconnector fuses





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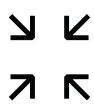


## Introduction

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## SlimLine XRG

Enhanced energy efficiency for increasingly demanding markets



### Convenience and ease

- Easy, pre-engineered wire-free installation – be up and running in minutes
- Simple removal and replace with plug-in contacts – even in a switchboard with live busbars
- All accessories related to measuring and remote controlling are integrated to the switch – no external devices needed



—  
Click for  
installation  
video

**Save up to  
40% floor space**



### Safe and reliable

- The only horizontal switch disconnector fuse in the market with true position indication
- Fuse monitoring functionality (EFM)
- Total safety concept that fulfills the highest requirements
- Real-time monitoring for: voltage, current, temperature, frequency, active and reactive power, power factor, switch position and energy consumption

**Suitable for  
800V AC applications**



### Enhanced design and performance

- Up to 35% lower power losses
- Short circuit capacity increased by 118% from 55 kA up to 120 kA
- Utilization category changed from AC23B to AC23A, so operations increase by 400% and extend product lifetime
- Only device on market with all silver-plated active parts and no bare copper

**Reduce power losses up to  
35%**

# SlimLine XRG

Enhanced energy efficiency for increasingly demanding markets



## Integrated and future-ready

- Easy, efficient power distribution
- Monitor the electrical system from anywhere, anytime
- Cloud-based connectivity with ABB Ability™ Energy and Asset Manager
- Simple ITS2 configuration with Ekip Connect
- ABB Ability™ Energy and Asset manager compatible with Emax 2, Ekip UP and TruONE™ ATS (equipped with Ekip Com Hub) or with Edge Industrial Gateway via Modbus RS-485



Configure ITS2 monitoring unit in 1 minute with Ekip Connect

**Configure ITS2 monitoring in  
1 minute**



# Introduction

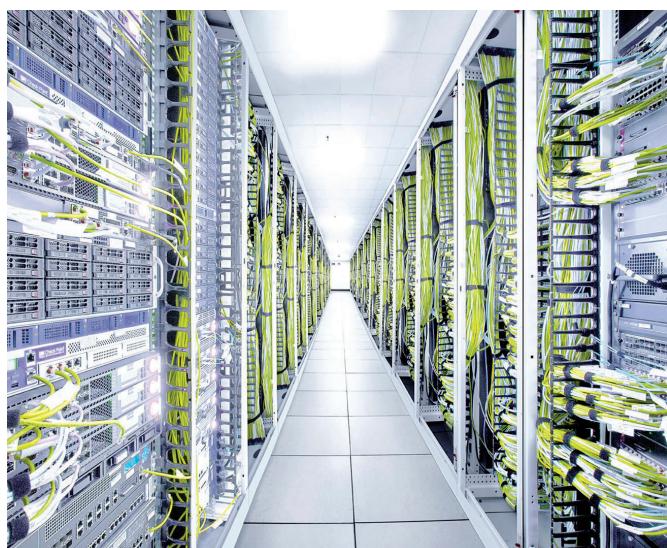
## Applications and approvals

**Applications:**

- Distribution boards
- Building industry
- Oil and Gas industries
- Data centers
- Load Shedding
- Hospitals
- Airports
- Banks
- Shopping Centers
- In combination with Motor Control Centers
- When using emergency power supply
- Photovoltaic Power Plants

**Approvals:**

- IEC / EN 60947-3
- CB
- EAC
- CCC



# Introduction

## General product overview



	XRG00	XRG1	XRG2	XRG3
Frame size	00	1	2	3
Rated current up to (A)	160	250	400	630
For NH fuses	●	●	●	●
For BS88 fuses	●	●	●	●
Electronic fuse monitoring (EFM)	●	●	●	●
Intelligent Tier Switch without display (ITS2.1)	●	●	●	●
Intelligent Tier Switch with display (ITS2.D)	●	●	●	●
Handle operation	●	●	●	●
Motor operation (MOT)	●	●	●	●
Auxiliary switch	●	●	●	●
Multiplug	●	●	●	●
Ammeter	●	●	●	●
Current transformers (CT) integrated	●	●	●	●
Terminal extension for CT's integrated	●	●		
Current transformers (CT) with contact extension	●	●	●	●
Cable shroud	●	●	●	●
V-Clamp	●	●	●	●
Double clamp		●		
Contact extension	●	●	●	●
SlimLine Cassette	●	●	●	●
Double handle			●	●



## Product overview

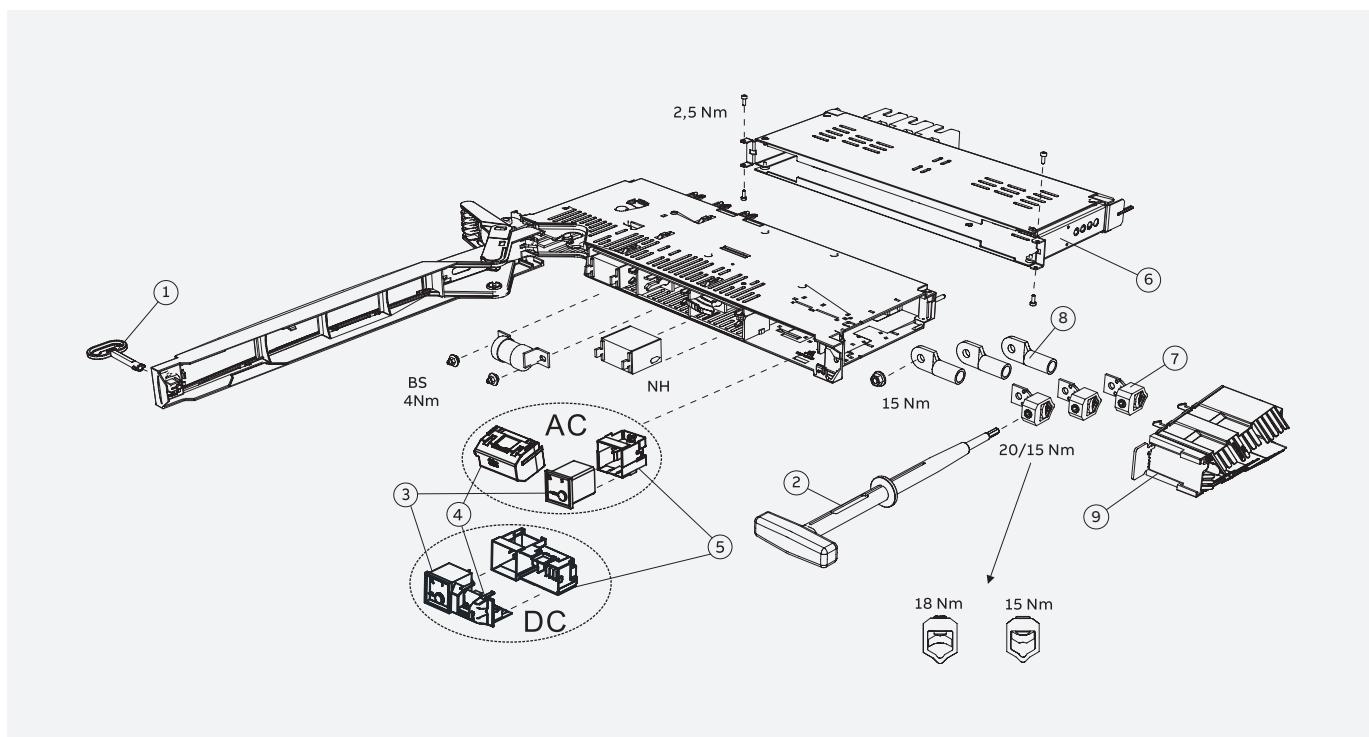
Assembly	12
Electronic Fuse Monitoring (EFM)	15
ITS2 monitoring unit	16
Motor operation (MOT)	19
Busbar Section Switch	20

# Product overview

## Assembly

### XRG00, 160 A

1. Front cover key
2. Cable terminal key
3. A-meter
4. Electronic fuse monitoring, EFM
5. A-meter bracket
6. Contact extensions
7. Cable V-Clamp
8. Cable Bolt M8 (Standard)
9. Cable terminal shroud



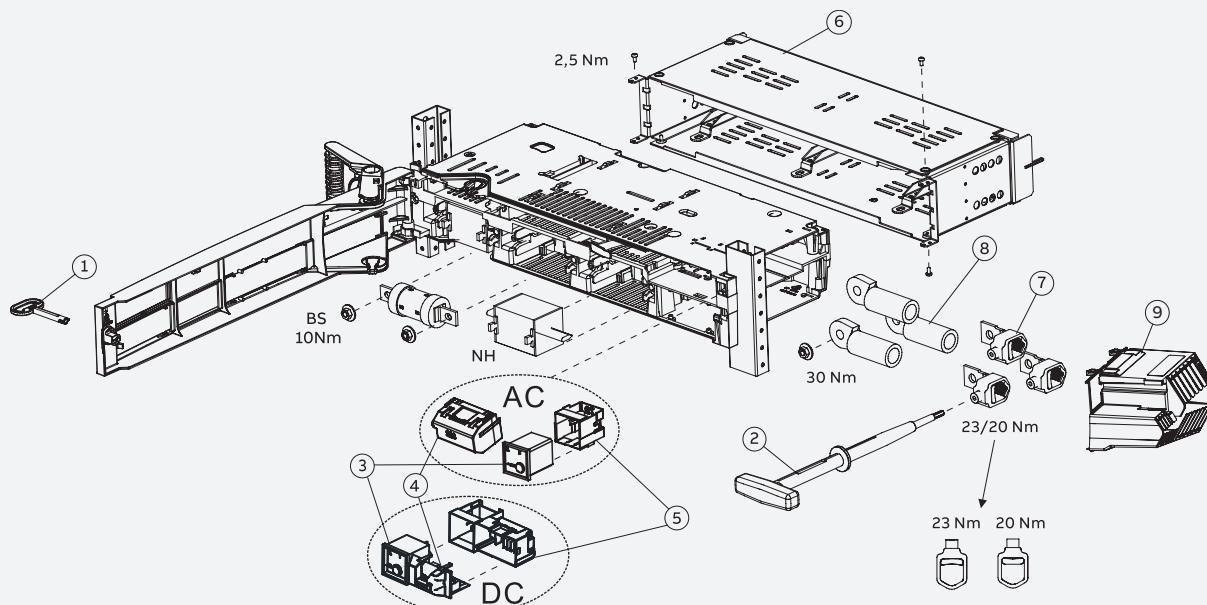
# Product overview

## Assembly

02

### XRG1, 250 A

1. Front cover key
2. Cable terminal key
3. A-meter
4. Electronic fuse monitoring, EFM
5. A-meter bracket
6. Contact extension
7. Cable V-Clamp
8. Cable Bolt M12 (Standard)
9. Cable terminal shroud

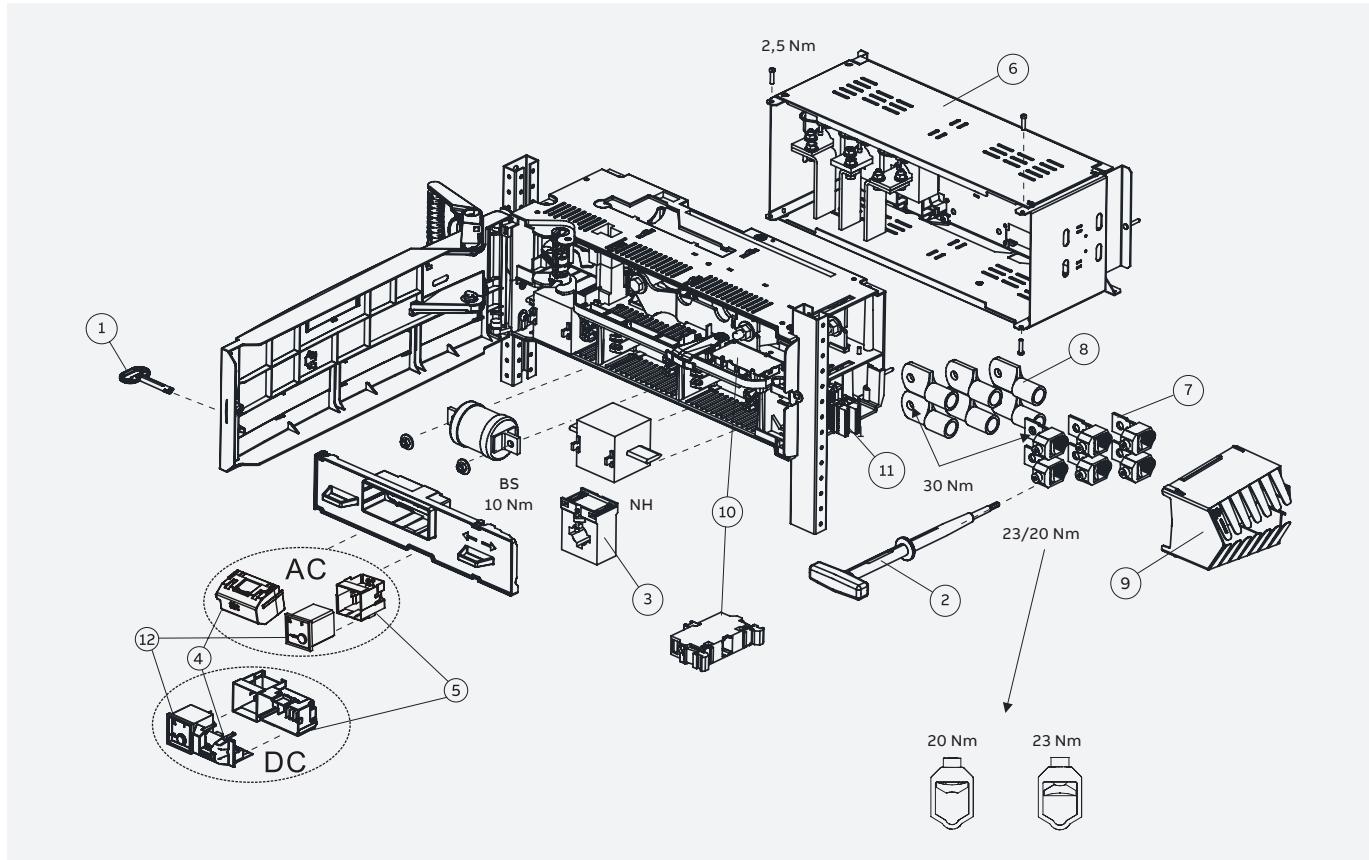


# Product overview

## Assembly

### XRG2/3, 400-630 A

1. Front cover key
2. Cable terminal key
3. Current transformer
4. Electronic fuse monitoring, EFM
5. A-meter bracket
6. Contact extensions
7. Double cable V-Clamp
8. Cable Bolt M12 (Standard)
9. Cable terminal shroud
10. Auxiliary switch
11. Multi plugs
12. A-meter



# Product overview

## Electronic Fuse Monitoring (EFM)

The SlimLine XR Gold EFM gives an alarm at any fault conditions if a fuse is blown. The New EFM is smaller, easier to install and available up to 800V AC.

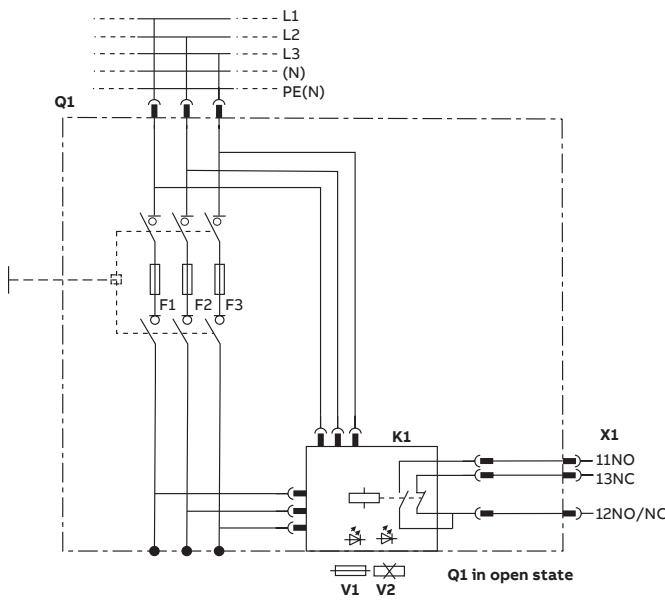
An internal potential free relay (1NO + 1NC) will trip to transfer a signal for a remote fuse blown alarm. The EFM unit is self supplied, which means no additional power supply is required.

Fuse status			Relay contacts		Relay contacts	
	Green LED	Red LED	NO contact 11,12	NC contact 13,12	Open	Closed
<b>1. XRG in ON position</b>						
Fuses OK	*	●	X			X
Fuses BLOWN	●	*		X	X	
<b>2. XRG in OFF position</b>						
Fuses OK	●	●	X			X
Fuses BLOWN	●	●	X			X

Note! EFM cannot be retro fitted.  
Note! Pin 12 is common for NO/NC function.

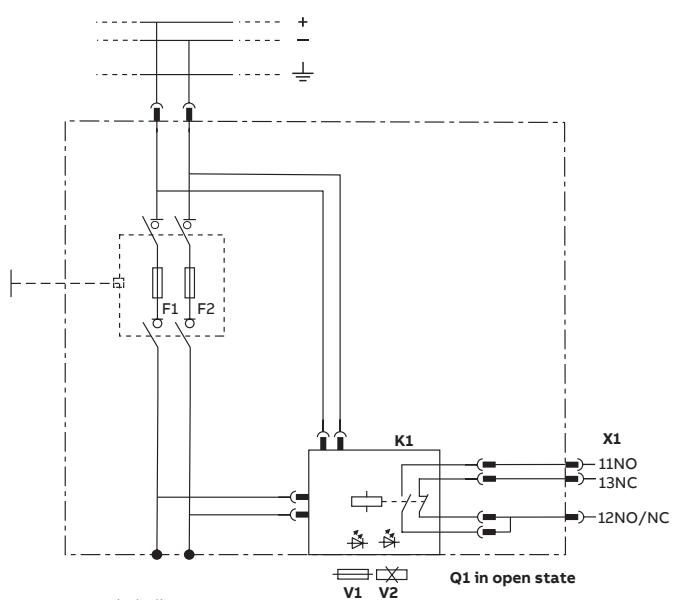


Diagram XRG AC EFM



Q1: Switch disconnector Fuse  
K1: Electronic Fuse Monitor (EFM)  
V1: Fuses OK  
V2: Fuse(s) blown  
X1: Multiplug terminals

Diagram XRG DC EFM



Q1: Switch disconnector Fuse  
K1: Electronic Fuse Monitor (EFM)  
V1: Fuses OK  
V2: Fuse(s) blown  
X1: Multiplug terminals

# Greater intelligence comes from within



Real-time measuring and monitoring have never been easier, thanks to the ITS2. Its built-in intelligence means that whether it is supporting a data center, hospital or commercial building, operatives can access its monitoring data and

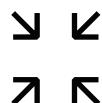
provide an instant response in the event of any system faults.

**The result of this fully digital solution? Smarter, data-driven decisions made in real time.**



## Integrated and future-ready

- Cloud-based connectivity with ABB Ability™ Energy and Asset Manager
- Easy configuration with Ekip Connect
- Configure ITS2 monitoring in just 1 minute



## Convenience and ease

- One unit to digitalize switches and fusegear also compatible with OT Switch disconnectors and OS Switch fuses
- Space-saving factory-mounted design



## Safe and reliable

- Ensures continuous operations
- Fuse monitoring functionality (EFM)
- System safety and protection protocols



—  
Watch the video  
how to configure  
ITS2 monitoring  
unit in 1 minute  
with Ekip Connect



—  
Watch the video  
how to add extra  
protection to your  
system with Ekip  
Connect in less  
than 1 minute



—  
More info about  
ITS2 Monitoring  
units from here

# Integrated and future-ready



## Ease of installation

A busy facility needs any new monitoring equipment to get up and running quickly to avoid operational interruptions.

Installing the ITS2 monitoring is a pain-free, intuitive process, with Ekip Connect used to configure your entire system.

The ITS2 communicates with the main gateway using Modbus RTU as standard option or Modbus TCP, using the add on communication module. The gateway enables direct communication to the ABB Ability™, Energy and Asset Manager using the Ekip Com Hub cartridge module.

The gateway uploads your system data to the cloud-connected ABB Ability™ platform, **enabling full control in less than 10 minutes.**

## Seamless integration

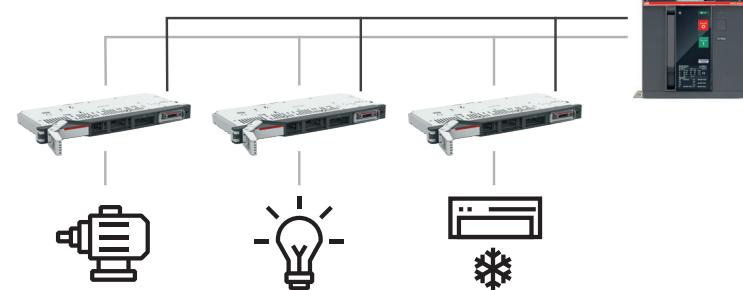
A complete digital solution needs to be compatible with your existing infrastructure and processes. The ITS2 monitoring unit integrates flawlessly both with ABB's switches and fusegear products

- Uses ABB Ability™ Energy and Asset Manager to collect information from enabled ABB devices installed in low-voltage distribution systems
- Monitor the electrical system from anywhere, anytime
- ABB Ability™ Energy and Asset Manager compatible gateways: Emax 2 and Tmax XT circuit breakers, EkipUP and TruONE Automatic Transfer Switches (equipped with Ekip Com Hub) or with Edge Industrial Gateway via Modbus RS-485

## Connection to ABB Ability™ Energy and Asset Manager for all switches and fusegear with ITS2

### SlimLine XRG Modbus RTU

- Ethernet cable
- Modbus RTU
- Power



More info about  
ABB Ability™  
Energy and  
Asset Manager



More info about  
Ekip Connect 3

# Integrated and future-ready

## ITS2.1: Which data can be monitored

### Features

Line Voltage	(V AC)	V12, V23, V31
Phase Voltage	(V AC)	V1N, V2N, V3N
Max. Rated Voltage	(V AC)	690
Current	(A)	L1, L2, L3
Active power	(kW)	L1, L2, L3
Reactive power	(kVA)	L1, L2, L3
Cos phi	(Cosφ)	L1, L2, L3
Power factor	(PF)	Sum
Energy	(kWh)	Sum
Fuse status	(EFM)	L1, L2, L3
Temperature	(°C)	Terminal L2
Switch position		On/Off
Motor Control		by bus
Communication bus		RS485
Protocol		Modbus RTU & TCP

## Configurable Modbus RTU parameters

Default setting	19200 E,8,1 – Default Modbus addr. 3
Baudrates	9600, 19200
Parity, stop- start bits	E,8,1 – O,8,1 – N,8,2 – N,8,1
Modbus address range	1 – 247

## Connection data at the ITS2.1/2.D multiplug

1	24 VDC
2	24 V GND (0V)
3	RS-485 0V
4	RS-485 + (A)
5	RS-485 - (B)

Note! ITS2 unit cannot be retro fitted.

## Conductor cross section

Stranded min.	0,25 mm <sup>2</sup>
Stranded max.	1,5 mm <sup>2</sup>
Stranded, with ferrule without plastic sleeve max.	1,5 mm <sup>2</sup>
Stranded, with ferrule with plastic sleeve max.	0,75 mm <sup>2</sup>

# Product overview

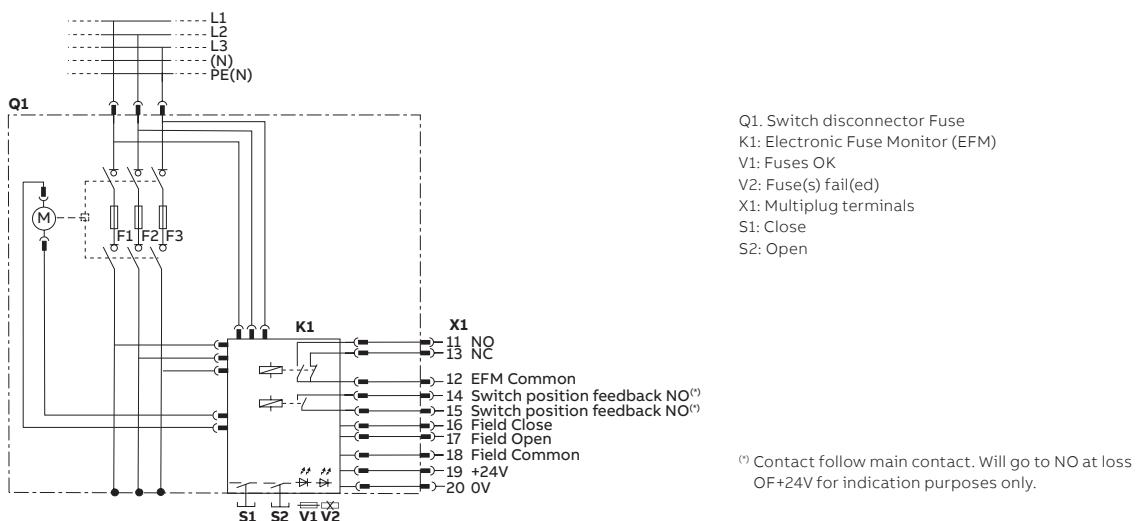
## Motor operation (MOT)

SlimLine XR Gold offers an integrated motor for remote and local operation. The motor operation unit is 100% integrated and does not increase external dimensions. The front operated ON/OFF buttons are protected by a transparent cover with padlocking facility.

With the new improved Utilization category AC23A, SlimLine XR Gold enables up to 8000 operations. This is a perfect solution for load shedding. Load shedding is possible with only MOT or with MOT+ ITS2.1.



**EFM + MOT New multi plug P**

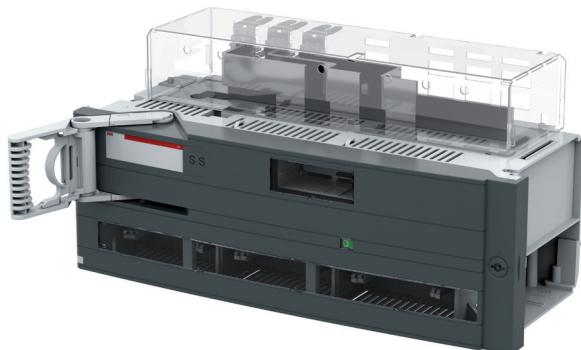


# Product overview

## Busbar Section Switch

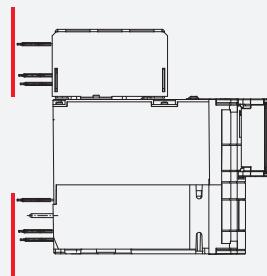
### XR-SS/SP

XR-SS/SP switch disconnector fuse can sectionalize two parallel (SP) or serial (SS) busbar systems. It can be used with DIN fuse size 3. The XR-SS/SP has an Utilization Category AC23B, 690V, 630A. This product includes two ventilated blind covers, that will be mounted to the enclosure.

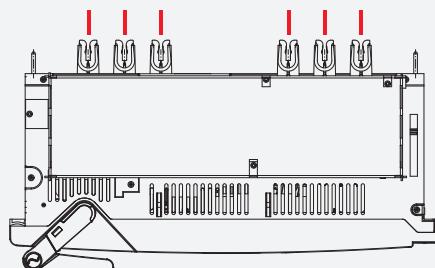


#### SlimLine XR Gold is available for the following busbar phase distances

50 mm distance between phases, 5 mm busbar

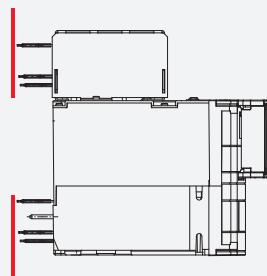


XRM - SS



XR - SP

185 mm distance between phases, 10 mm busbar



XRM - SS



## Ordering information

<b>Main devices</b>	
50 mm busbar distance	24
185 mm busbar distance	25
50 mm busbar distance (BS)	27
185 mm busbar distance (BS)	28
Specific System Pro E Power RBBS	30
<b>Accessories</b>	
Auxiliary switches	31
Multiplug, ammeter and EFM bracket	32
Current metering	33
Cable termination and cable shrouds	35
Contact extensions	37
Common accessories	38
SlimLine cassettes and IP busbar covers	40
Spare parts and front covers	42

## Ordering information

50 mm busbar distance and busbar thickness 5 mm

**SlimLine XRG Switch Disconnector Fuse – 50 mm busbar distance and 5 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
3	NH000, NH00	160	XRG00-50/5-3P	1SEP204480R1500	3,81
3	NH000, NH00	160	XRG00-50/5-3P-EFM	1SEP204480R1501	4,03
3	NH000, NH00	160	XRG00-50/5-3P-MOT	1SEP204480R1502	4,26
3	NH000, NH00	160	XRG00-50/5-3P-MOT-EFM	1SEP204480R1503	4,48
3	NH000, NH00	160	XRG00-50/5-3P-ITS2.1	1SEP204480R1516	4,33
3	NH000, NH00	160	XRG00-50/5-3P-ITS2.1-MOT	1SEP204480R1517	4,78
3	NH000, NH00	160	XRG00-50/5-3P-ITS2.D	1SEP204480R1518	4,33
3	NH000, NH00	160	XRG00-50/5-3P-ITS2.D-MOT	1SEP204480R1519	4,78
3	NH1	250	XRG1-50/5-3P	1SEP204481R1500	6,79
3	NH1	250	XRG1-50/5-3P-EFM	1SEP204481R1501	7,01
3	NH1	250	XRG1-50/5-3P-MOT	1SEP204481R1502	7,27
3	NH1	250	XRG1-50/5-3P-MOT-EFM	1SEP204481R1503	7,49
3	NH1	250	XRG1-50/5-3P-ITS2.1	1SEP204481R1516	7,45
3	NH1	250	XRG1-50/5-3P-ITS2.1-MOT	1SEP204481R1517	7,93
3	NH1	250	XRG1-50/5-3P-ITS2.D	1SEP204481R1518	7,45
3	NH1	250	XRG1-50/5-3P-ITS2.D-MOT	1SEP204481R1519	7,93
3	NH2	400	XRG2-50/5-3P	1SEP204482R1500	15,39
3	NH2	400	XRG2-50/5-3P-EFM	1SEP204482R1501	15,71
3	NH2	400	XRG2-50/5-3P-MOT	1SEP204482R1502	16,11
3	NH2	400	XRG2-50/5-3P-MOT-EFM	1SEP204482R1503	16,43
3	NH2	400	XRG2-50/5-3P-ITS2.1	1SEP204482R1516	16,76
3	NH2	400	XRG2-50/5-3P-ITS2.1-MOT	1SEP204482R1517	17,48
3	NH2	400	XRG2-50/5-3P-ITS2.D	1SEP204482R1518	16,76
3	NH2	400	XRG2-50/5-3P-ITS2.D-MOT	1SEP204482R1519	17,48
3	NH3	630	XRG3-50/5-3P	1SEP204483R1500	15,51
3	NH3	630	XRG3-50/5-3P-EFM	1SEP204483R1501	15,83
3	NH3	630	XRG3-50/5-3P-MOT	1SEP204483R1502	16,23
3	NH3	630	XRG3-50/5-3P-MOT-EFM	1SEP204483R1503	16,55
3	NH3	630	XRG3-50/5-3P-ITS2.1	1SEP204483R1516	17,15
3	NH3	630	XRG3-50/5-3P-ITS2.1-MOT	1SEP204483R1517	17,87
3	NH3	630	XRG3-50/5-3P-ITS2.D	1SEP204483R1518	17,15
3	NH3	630	XRG3-50/5-3P-ITS2.D-MOT	1SEP204483R1519	17,87

ITS2.1 = without Display

ITS2.D = with Display

**SlimLine XRG Busbar Section Switch – 50 mm busbar distance and 5 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
3	NH3	630	XRG3-50/5-3P-SP	1SEP204483R1560	17,19
3	NH3	630	XRG3-50/5-3P-SS	1SEP204483R1570	16,82

## Ordering information

50 mm busbar distance and busbar thickness 5 mm

**SlimLine XRG Switch Disconnector Fuse – 50 mm busbar distance and 5 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
4	NH000, NH00	160	XRG00-50/5-4P	1SEP204480R1700	5,43
4	NH000, NH00	160	XRG00-50/5-4P-EFM	1SEP204480R1701	5,65
4	NH000, NH00	160	XRG00-50/5-4P-MOT	1SEP204480R1702	5,88
4	NH000, NH00	160	XRG00-50/5-4P-MOT-EFM	1SEP204480R1703	6,1
4	NH000, NH00	160	XRG00-50/5-4P-ITS2.1	1SEP204480R1716	5,95
4	NH000, NH00	160	XRG00-50/5-4P-ITS2.1-MOT	1SEP204480R1717	6,4
4	NH000, NH00	160	XRG00-50/5-4P-ITS2.D	1SEP204480R1718	5,95
4	NH000, NH00	160	XRG00-50/5-4P-ITS2.D-MOT	1SEP204480R1719	6,4
4	NH1	250	XRG1-50/5-4P	1SEP204481R1700	8,5
4	NH1	250	XRG1-50/5-4P-EFM	1SEP204481R1701	8,72
4	NH1	250	XRG1-50/5-4P-MOT	1SEP204481R1702	8,98
4	NH1	250	XRG1-50/5-4P-MOT-EFM	1SEP204481R1703	9,2
4	NH1	250	XRG1-50/5-4P-ITS2.1	1SEP204481R1716	9,16
4	NH1	250	XRG1-50/5-4P-ITS2.1-MOT	1SEP204481R1717	9,64
4	NH1	250	XRG1-50/5-4P-ITS2.D	1SEP204481R1718	9,16
4	NH1	250	XRG1-50/5-4P-ITS2.D-MOT	1SEP204481R1719	9,64
4	NH2	400	XRG2-50/5-4P	1SEP204482R1700	17,63
4	NH2	400	XRG2-50/5-4P-EFM	1SEP204482R1701	17,95
4	NH2	400	XRG2-50/5-4P-MOT	1SEP204482R1702	18,35
4	NH2	400	XRG2-50/5-4P-MOT-EFM	1SEP204482R1703	18,67
4	NH2	400	XRG2-50/5-4P-ITS2.1	1SEP204482R1716	19
4	NH2	400	XRG2-50/5-4P-ITS2.1-MOT	1SEP204482R1717	19,72
4	NH2	400	XRG2-50/5-4P-ITS2.D	1SEP204482R1718	19
4	NH2	400	XRG2-50/5-4P-ITS2.D-MOT	1SEP204482R1719	19,72
4	NH3	630	XRG3-50/5-4P	1SEP204483R1700	17,75
4	NH3	630	XRG3-50/5-4P-EFM	1SEP204483R1701	18,07
4	NH3	630	XRG3-50/5-4P-MOT	1SEP204483R1702	18,47
4	NH3	630	XRG3-50/5-4P-MOT-EFM	1SEP204483R1703	18,79
4	NH3	630	XRG3-50/5-4P-ITS2.1	1SEP204483R1716	19,39
4	NH3	630	XRG3-50/5-4P-ITS2.1-MOT	1SEP204483R1717	20,11
4	NH3	630	XRG3-50/5-4P-ITS2.D	1SEP204483R1718	19,39
4	NH3	630	XRG3-50/5-4P-ITS2.D-MOT	1SEP204483R1719	20,11

**SlimLine XRG Busbar Section Switch – 50 mm busbar distance and 5 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
2	NH000, NH00	160	XRG00-50/5-DC	1SEP204480R1600	3,53
2	NH1	250	XRG1-50/5-DC	1SEP204481R1600	6,25
2	NH2	400	XRG2-50/5-DC	1SEP204482R1600	13,49
2	NH3	630	XRG3-50/5-DC	1SEP204483R1600	13,61

## Ordering information

185 mm busbar distance and busbar thickness 10 mm

**SlimLine XR Switch Disconnector Fuse – 185 mm busbar distance 10 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
3	NH000, NH00	160	XRG00-185/10-3P	1SEP204480R3500	3,79
3	NH000, NH00	160	XRG00-185/10-3P-EFM	1SEP204480R3501	4,01
3	NH000, NH00	160	XRG00-185/10-3P-MOT	1SEP204480R3502	4,24
3	NH000, NH00	160	XRG00-185/10-3P-MOT-EFM	1SEP204480R3503	4,46
3	NH000, NH00	160	XRG00-185/10-3P-ITS2.1	1SEP204480R3516	4,31
3	NH000, NH00	160	XRG00-185/10-3P-ITS2.1-MOT	1SEP204480R3517	4,76
3	NH000, NH00	160	XRG00-185/10-3P-ITS2.D	1SEP204480R3518	4,41
3	NH000, NH00	160	XRG00-185/10-3P-ITS2.D-MOT	1SEP204480R3519	4,86
3	NH1	250	XRG1-185/10-3P	1SEP204481R3500	6,9
3	NH1	250	XRG1-185/10-3P-EFM	1SEP204481R3501	7,12
3	NH1	250	XRG1-185/10-3P-MOT	1SEP204481R3502	7,38
3	NH1	250	XRG1-185/10-3P-MOT-EFM	1SEP204481R3503	7,6
3	NH1	250	XRG1-185/10-3P-ITS2.1	1SEP204481R3516	7,56
3	NH1	250	XRG1-185/10-3P-ITS2.1-MOT	1SEP204481R3517	8,04
3	NH1	250	XRG1-185/10-3P-ITS2.D	1SEP204481R3518	7,66
3	NH1	250	XRG1-185/10-3P-ITS2.D-MOT	1SEP204481R3519	8,14
3	NH2	400	XRG2-185/10-3P	1SEP204482R3500	15,5
3	NH2	400	XRG2-185/10-3P-EFM	1SEP204482R3501	15,82
3	NH2	400	XRG2-185/10-3P-MOT	1SEP204482R3502	16,22
3	NH2	400	XRG2-185/10-3P-MOT-EFM	1SEP204482R3503	16,54
3	NH2	400	XRG2-185/10-3P-ITS2.1	1SEP204482R3516	16,87
3	NH2	400	XRG2-185/10-3P-ITS2.1-MOT	1SEP204482R3517	17,59
3	NH2	400	XRG2-185/10-3P-ITS2.D	1SEP204482R3518	16,97
3	NH2	400	XRG2-185/10-3P-ITS2.D-MOT	1SEP204482R3519	17,69
3	NH3	630	XRG3-185/10-3P	1SEP204483R3500	15,62
3	NH3	630	XRG3-185/10-3P-EFM	1SEP204483R3501	15,94
3	NH3	630	XRG3-185/10-3P-MOT	1SEP204483R3502	16,34
3	NH3	630	XRG3-185/10-3P-MOT-EFM	1SEP204483R3503	16,66
3	NH3	630	XRG3-185/10-3P-ITS2.1	1SEP204483R3516	17,26
3	NH3	630	XRG3-185/10-3P-ITS2.1-MOT	1SEP204483R3517	17,98
3	NH3	630	XRG3-185/10-3P-ITS2.D	1SEP204483R3518	17,36
3	NH3	630	XRG3-185/10-3P-ITS2.D-MOT	1SEP204483R3519	18,08

**SlimLine XR Busbar Section Switch – 185 mm busbar distance and 10 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
3	NH3	630	XRG3-185/10-3P-SS	1SEP204483R3570	17,04

## Ordering information

185 mm busbar distance and busbar thickness 10 mm

**SlimLine XR Switch Disconnector Fuse – 185 mm busbar distance 10 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
4	NH000, NH00	160	XRG00-185/10-4P	1SEP204480R3700	5,4
4	NH000, NH00	160	XRG00-185/10-4P-EFM	1SEP204480R3701	5,62
4	NH000, NH00	160	XRG00-185/10-4P-MOT	1SEP204480R3702	5,85
4	NH000, NH00	160	XRG00-185/10-4P-MOT-EFM	1SEP204480R3703	6,07
4	NH000, NH00	160	XRG00-185/10-4P-ITS2.D	1SEP204480R3718	5,95
4	NH000, NH00	160	XRG00-185/10-4P-ITS2.1	1SEP204480R3716	5,95
4	NH000, NH00	160	XRG00-185/10-4P-ITS2.1-MOT	1SEP204480R3717	6,37
4	NH000, NH00	160	XRG00-185/10-4P-ITS2.D-MOT	1SEP204480R3719	6,47
4	NH1	250	XRG1-185/10-4P	1SEP204481R3700	8,68
4	NH1	250	XRG1-185/10-4P-EFM	1SEP204481R3701	8,9
4	NH1	250	XRG1-185/10-4P-MOT	1SEP204481R3702	9,16
4	NH1	250	XRG1-185/10-4P-MOT-EFM	1SEP204481R3703	9,38
4	NH1	250	XRG1-185/10-4P-ITS2.D	1SEP204481R3718	9,92
4	NH1	250	XRG1-185/10-4P-ITS2.1	1SEP204481R3716	9,92
4	NH1	250	XRG1-185/10-4P-ITS2.1-MOT	1SEP204481R3717	9,82
4	NH1	250	XRG1-185/10-4P-ITS2.D-MOT	1SEP204481R3719	9,92
4	NH2	400	XRG2-185/10-4P	1SEP204482R3700	17,74
4	NH2	400	XRG2-185/10-4P-EFM	1SEP204482R3701	18,06
4	NH2	400	XRG2-185/10-4P-MOT	1SEP204482R3702	18,46
4	NH2	400	XRG2-185/10-4P-MOT-EFM	1SEP204482R3703	18,78
4	NH2	400	XRG2-185/10-4P-ITS2.D	1SEP204482R3718	19
4	NH2	400	XRG2-185/10-4P-ITS2.1	1SEP204482R3716	19
4	NH2	400	XRG2-185/10-4P-ITS2.1-MOT	1SEP204482R3717	19,83
4	NH2	400	XRG2-185/10-4P-ITS2.D-MOT	1SEP204482R3719	19,93
4	NH3	630	XRG3-185/10-4P	1SEP204483R3700	17,86
4	NH3	630	XRG3-185/10-4P-EFM	1SEP204483R3701	18,18
4	NH3	630	XRG3-185/10-4P-MOT	1SEP204483R3702	18,58
4	NH3	630	XRG3-185/10-4P-MOT-EFM	1SEP204483R3703	18,9
4	NH3	630	XRG3-185/10-4P-ITS2.D	1SEP204483R3718	19,39
4	NH3	630	XRG3-185/10-4P-ITS2.1	1SEP204483R3716	19,39
4	NH3	630	XRG3-185/10-4P-ITS2.D-MOT	1SEP204483R3719	20,11
4	NH3	630	XRG3-185/10-4P-ITS2.1-MOT	1SEP204483R3717	20,11

**SlimLine XR Switch Disconnector Fuse – 185 mm busbar distance 10 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
2	NH000, NH00	160	XRG00-185/10-DC	1SEP204480R3600	3,52
2	NH000, NH00	160	XRG00-185/10-DC-EFM-110	1SEP204480R3606	3,74
2	NH000, NH00	160	XRG00-185/10-DC-EFM-500	1SEP204480R3608	3,74
2	NH1	250	XRG1-185/10-DC	1SEP204481R3600	6,36
2	NH1	250	XRG1-185/10-DC-EFM-110	1SEP204481R3606	6,58
2	NH1	250	XRG1-185/10-DC-EFM-500	1SEP204481R3608	6,58
2	NH2	400	XRG2-185/10-DC	1SEP204482R3600	14,1
2	NH2	400	XRG2-185/10-DC-EFM-110	1SEP204482R3606	14,42
2	NH2	400	XRG2-185/10-DC-EFM-500	1SEP204482R3608	14,82
2	NH3	630	XRG3-185/10-DC	1SEP204483R3600	13,72
2	NH3	630	XRG3-185/10-DC-EFM-110	1SEP204483R3606	14,04
2	NH3	630	XRG3-185/10-DC-EFM-500	1SEP204483R3608	14,04

## Ordering information

50 mm busbar distance (BS) and busbar thickness 5 mm

**SlimLine XRG Switch Disconnector Fuse – 50 mm busbar distance and 5 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
3	A3	63	XRG63BS-50/5-3P	1SEP204484R1500	3,7
3	A3	100	XRG100BS-50/5-3P	1SEP204485R1500	3,7
3	OOT LAWSON	160	XRG160BS-50/5-3P	1SEP204486R1500	3,7
3	OOT LAWSON	160	XRG160BS-50/5-3P-EFM	1SEP204486R1501	3,92
3	OOT LAWSON	160	XRG160BS-50/5-3P-MOT	1SEP204486R1502	4,15
3	B2	250	XRG250BS-50/5-3P	1SEP204487R1500	6,86
3	B2	250	XRG250BS-50/5-3P-EFM	1SEP204487R1501	7,08
3	B2	250	XRG250BS-50/5-3P-MOT	1SEP204487R1502	7,34
3	B4	400	XRG400BS-50/5-3P	1SEP204488R1500	15,12
3	B4	400	XRG400BS-50/5-3P-EFM	1SEP204488R1501	15,22
3	B4	400	XRG400BS-50/5-3P-MOT	1SEP204488R1502	15,84
3	3T LAWSON	630	XRG630BS-50/5-3P	1SEP204489R1500	15,24
3	3T LAWSON	630	XRG630BS-50/5-3P-EFM	1SEP204489R1501	15,56
3	3T LAWSON	630	XRG630BS-50/5-3P-MOT	1SEP204489R1502	15,96

**SlimLine XRG Switch Disconnector Fuse – 50 mm busbar distance and 5 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
4	OOT LAWSON	160	XRG160BS-50/5-4P	1SEP204486R1700	5,33
4	OOT LAWSON	160	XRG160BS-50/5-4P-EFM	1SEP204486R1701	5,55
4	OOT LAWSON	160	XRG160BS-50/5-4P-MOT	1SEP204486R1702	5,78
4	B2	250	XRG250BS-50/5-4P	1SEP204487R1700	8,57
4	B2	250	XRG250BS-50/5-4P-EFM	1SEP204487R1701	8,79
4	B2	250	XRG250BS-50/5-4P-MOT	1SEP204487R1702	9,05
4	B4	400	XRG400BS-50/5-4P	1SEP204488R1700	17,36
4	B4	400	XRG400BS-50/5-4P-EFM	1SEP204488R1701	17,68
4	B4	400	XRG400BS-50/5-4P-MOT	1SEP204488R1702	18,08
4	3T LAWSON	630	XRG630BS-50/5-4P	1SEP204489R1700	17,48
4	3T LAWSON	630	XRG630BS-50/5-4P-EFM	1SEP204489R1701	14,8
4	3T LAWSON	630	XRG630BS-50/5-4P-MOT	1SEP204489R1702	18,2

## Ordering information

185 mm busbar distance (BS) and busbar thickness 10 mm

**SlimLine XRG Switch Disconnector Fuse – 185 mm busbar distance 10 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
3	A3	63	XRG63BS-185/10-3P	1SEP204484R3500	3,69
3	A3	100	XRG100BS-185/10-3P	1SEP204485R3500	3,69
3	OOT LAWSON	160	XRG160BS-185/10-3P	1SEP204486R3500	3,69
3	OOT LAWSON	160	XRG160BS-185/10-3P-EFM	1SEP204486R3501	3,91
3	OOT LAWSON	160	XRG160BS-185/10-3P-MOT	1SEP204486R3502	4,14
3	OOT LAWSON	160	XRG160BS-185/10-3P-ITS2.1	1SEP204486R3516	4,21
3	OOT LAWSON	160	XRG160BS-185/10-3P-ITS2.D	1SEP204486R3518	4,21
3	B2	250	XRG250BS-185/10-3P	1SEP204487R3500	6,96
3	B2	250	XRG250BS-185/10-3P-EFM	1SEP204487R3501	7,19
3	B2	250	XRG250BS-185/10-3P-MOT	1SEP204487R3502	7,45
3	B2	250	XRG250BS-185/10-3P-ITS2.1	1SEP204487R3516	7,63
3	B2	250	XRG250BS-185/10-3P-ITS2.D	1SEP204487R3518	7,63
3	B4	400	XRG400BS-185/10-3P	1SEP204488R3500	15,23
3	B4	400	XRG400BS-185/10-3P-EFM	1SEP204488R3501	15,55
3	B4	400	XRG400BS-185/10-3P-MOT	1SEP204488R3502	15,95
3	B4	400	XRG400BS-185/10-3P-ITS2.1	1SEP204488R3516	16,6
3	B4	400	XRG400BS-185/10-3P-ITS2.D	1SEP204488R3518	16,6
3	3T LAWSON	630	XRG630BS-185/10-3P	1SEP204489R3500	15,35
3	3T LAWSON	630	XRG630BS-185/10-3P-EFM	1SEP204489R3501	15,56
3	3T LAWSON	630	XRG630BS-185/10-3P-MOT	1SEP204489R3502	16,07
3	3T LAWSON	630	XRG630BS-185/10-3P-ITS2.1	1SEP204489R3516	15,56
3	3T LAWSON	630	XRG630BS-185/10-3P-ITS2.D	1SEP204489R3518	15,56

**SlimLine XRG Switch Disconnector Fuse – 185 mm busbar distance 10 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
4	OOT LAWSON	160	XRG160BS-185/10-4P	1SEP204486R3700	5,3
4	OOT LAWSON	160	XRG160BS-185/10-4P-EFM	1SEP204486R3701	5,52
4	OOT LAWSON	160	XRG160BS-185/10-4P-MOT	1SEP204486R3702	5,72
4	B2	250	XRG250BS-185/10-4P	1SEP204487R3700	8,75
4	B2	250	XRG250BS-185/10-4P-EFM	1SEP204487R3701	8,97
4	B2	250	XRG250BS-185/10-4P-MOT	1SEP204487R3702	9,23
4	B4	400	XRG400BS-185/10-4P	1SEP204488R3700	17,47
4	B4	400	XRG400BS-185/10-4P-EFM	1SEP204488R3701	17,79
4	B4	400	XRG400BS-185/10-4P-MOT	1SEP204488R3702	18,19
4	3T LAWSON	630	XRG630BS-185/10-4P	1SEP204489R3700	17,59
4	3T LAWSON	630	XRG630BS-185/10-4P-EFM	1SEP204489R3701	17,91
4	3T LAWSON	630	XRG630BS-185/10-4P-MOT	1SEP204489R3702	18,31

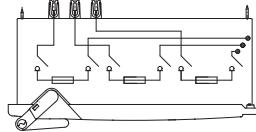
## Ordering information

50 mm busbar distance and busbar thickness 10 mm

**SlimLine XRG Switch Disconnector Fuse – 50 mm busbar distance and 10 mm busbar thickness**

Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
NH000, NH00	160	XRG00-50/10-3P	1SEP204480R7500	3,81
NH000, NH00	160	XRG00-50/10-3P-EFM	1SEP204480R7501	4,03
NH000, NH00	160	XRG00-50/10-3P-MOT	1SEP204480R7502	4,26
NH000, NH00	160	XRG00-50/10-3P-MOT-EFM	1SEP204480R7503	4,48
NH000, NH00	160	XRG00-50/10-3P-ITS2.1	1SEP204480R7516	4,31
NH000, NH00	160	XRG00-50/10-3P-ITS2.1-MOT	1SEP204480R7517	4,76
NH000, NH00	160	XRG00-50/10-3P-ITS2.D-MOT	1SEP204480R7519	4,86
NH1	250	XRG1-50/10-3P	1SEP204481R7500	6,79
NH1	250	XRG1-50/10-3P-EFM	1SEP204481R7501	7,01
NH1	250	XRG1-50/10-3P-MOT	1SEP204481R7502	7,27
NH1	250	XRG1-50/10-3P-MOT-EFM	1SEP204481R7503	7,49
NH1	250	XRG1-50/10-3P-ITS2.1	1SEP204481R7516	7,45
NH1	250	XRG1-50/10-3P-ITS2.1-MOT	1SEP204481R7517	7,93
NH1	250	XRG1-50/10-3P-ITS2.D-MOT	1SEP204481R7519	8,03
NH2	400	XRG2-50/10-3P	1SEP204482R7500	15,39
NH2	400	XRG2-50/10-3P-EFM	1SEP204482R7501	15,71
NH2	400	XRG2-50/10-3P-MOT	1SEP204482R7502	16,11
NH2	400	XRG2-50/10-3P-MOT-EFM	1SEP204482R7503	16,43
NH2	400	XRG2-50/10-3P-ITS2.1	1SEP204482R7516	16,76
NH2	400	XRG2-50/10-3P-ITS2.1-MOT	1SEP204482R7517	17,48
NH2	400	XRG2-50/10-3P-ITS2.D-MOT	1SEP204482R7519	17,58
NH3	630	XRG3-50/10-3P	1SEP204483R7500	15,51
NH3	630	XRG3-50/10-3P-EFM	1SEP204483R7501	15,83
NH3	630	XRG3-50/10-3P-MOT	1SEP204483R7502	16,23
NH3	630	XRG3-50/10-3P-MOT-EFM	1SEP204483R7503	16,55
NH3	630	XRG3-50/10-3P-ITS2.1	1SEP204483R7516	17,15
NH3	630	XRG3-50/10-3P-ITS2.1-MOT	1SEP204483R7517	17,87
NH3	630	XRG3-50/10-3P-ITS2.D-MOT	1SEP204483R7519	17,97

Note! Special version for System Pro E Power RBBS.



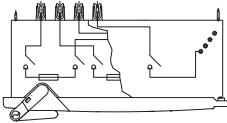
## Ordering information

50 mm busbar distance and busbar thickness 10 mm

**SlimLine XRG Switch Disconnector Fuse – 50 mm busbar distance and 10 mm busbar thickness**

Number of poles	Fuse size	Rated operational current (A)	Type	Order code	Weight (kg)
4	NH000, NH00	160	XRG00-50/10-4P	1SEP204480R7700	5,43
4	NH000, NH00	160	XRG00-50/10-4P-EFM	1SEP204480R7701	5,65
4	NH000, NH00	160	XRG00-50/10-4P-MOT	1SEP204480R7702	5,88
4	NH000, NH00	160	XRG00-50/10-4P-MOT-EFM	1SEP204480R7703	6,1
4	NH000, NH00	160	XRG00-50/10-4P-ITS2.1	1SEP204480R7716	5,95
4	NH000, NH00	160	XRG00-50/10-4P-ITS2.1-MOT	1SEP204480R7717	6,4
4	NH000, NH00	160	XRG00-50/10-3P-ITS2.D	1SEP204480R7518	4,41
4	NH000, NH00	160	XRG00-50/10-4P-ITS2.D	1SEP204480R7718	5,95
4	NH000, NH00	160	XRG00-50/10-4P-ITS2.D-MOT	1SEP204480R7719	6,4
4	NH1	250	XRG1-50/10-4P	1SEP204481R7700	8,5
4	NH1	250	XRG1-50/10-4P-EFM	1SEP204481R7701	8,72
4	NH1	250	XRG1-50/10-4P-MOT	1SEP204481R7702	8,98
4	NH1	250	XRG1-50/10-4P-MOT-EFM	1SEP204481R7703	9,2
4	NH1	250	XRG1-50/10-4P-ITS2.1	1SEP204481R7716	9,16
4	NH1	250	XRG1-50/10-4P-ITS2.1-MOT	1SEP204481R7717	9,64
4	NH1	250	XRG1-50/10-3P-ITS2.D	1SEP204481R7518	7,55
4	NH1	250	XRG1-50/10-4P-ITS2.D	1SEP204481R7718	9,16
4	NH1	250	XRG1-50/10-4P-ITS2.D-MOT	1SEP204481R7719	9,64
4	NH2	400	XRG2-50/10-4P	1SEP204482R7700	17,63
4	NH2	400	XRG2-50/10-4P-EFM	1SEP204482R7701	17,95
4	NH2	400	XRG2-50/10-4P-MOT	1SEP204482R7702	18,35
4	NH2	400	XRG2-50/10-4P-MOT-EFM	1SEP204482R7703	18,67
4	NH2	400	XRG2-50/10-4P-ITS2.1	1SEP204482R7716	19
4	NH2	400	XRG2-50/10-4P-ITS2.1-MOT	1SEP204482R7717	19,72
4	NH2	400	XRG2-50/10-3P-ITS2.D	1SEP204482R7518	16,86
4	NH2	400	XRG2-50/10-4P-ITS2.D	1SEP204482R7718	19
4	NH2	400	XRG2-50/10-4P-ITS2.D-MOT	1SEP204482R7719	19,72
4	NH3	630	XRG3-50/10-4P	1SEP204483R7700	17,75
4	NH3	630	XRG3-50/10-4P-EFM	1SEP204483R7701	18,07
4	NH3	630	XRG3-50/10-4P-MOT	1SEP204483R7702	18,47
4	NH3	630	XRG3-50/10-4P-MOT-EFM	1SEP204483R7703	18,79
4	NH3	630	XRG3-50/10-4P-ITS2.1	1SEP204483R7716	19,39
4	NH3	630	XRG3-50/10-4P-ITS2.1-MOT	1SEP204483R7717	20,11
4	NH3	630	XRG3-50/10-3P-ITS2.D	1SEP204483R7518	17,25
4	NH3	630	XRG3-50/10-4P-ITS2.D	1SEP204483R7718	19,39
4	NH3	630	XRG3-50/10-4P-ITS2.D-MOT	1SEP204483R7719	20,11

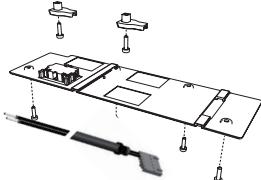
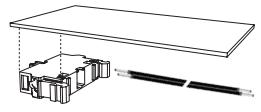
Note! Special version for System Pro E Power RBBS.



## Ordering information

### Auxiliary switches

#### Auxiliary switch kits

Type	Suitable for Switch Size	Order code
	NO-XR00-KIT	XRG00
	NC-XR00-KIT	XRG00
	NO-XR1-KIT	XRG1
	NC-XR1-KIT	XRG1
	NO-XR2/3-KIT	XRG2, XRG3
	NC-XR2/3-KIT	XRG2, XRG3

Note! Auxiliary switch kits include 1 auxiliary switch 2 wires, connector, protection cover and screws.

#### Additional auxiliary switches

Type	Suitable for Switch Size	Order code
	NO-XR00/1-W	XRG00, XRG1
	NC-XR00/1-W	XRG00, XRG1
	NO-XR2/3-W	XRG2, XRG3
Auxiliary switch with wires	NC-XR2/3-W	XRG2, XRG3

Note! Additional auxiliary switches include 1 auxiliary switch and 2 wires.

## Ordering information

Multiplug P, ammeter and EFM bracket

### Multiplug P

	Pin Number	Cable size	Suitable for Switch Size	Type	Description	Order code
	1 to 6	0,2-2,5 mm <sup>2</sup>	XRG00, XRG1	MP-XR00/1-P6	Multiplug P6 for CT's	1SEP619532R0506
	11 to 20	0,14 - 1,5 mm <sup>2</sup>	XRG00, XRG1	MP-XR00/1-P10	Multiplug P10 for AUX - EFM - MOT	1SEP619532R0510
	1 to 6	0,2 - 2,5 mm <sup>2</sup>	XRG00, XRG1	MP-XR00/1-P16	Multiplug P16 for CT's - AUX - EFM - MOT*	1SEP619532R0516
	11 to 20	0,14 - 1,5 mm <sup>2</sup>	XRG2, XRG3	MP-XR2/3-P8	Multiplug P8 for CT's	1SEP408513R0001
	1 to 8	0,2 - 2,5 mm <sup>2</sup>			Multiplug P8 with screws for CT's	1SEP408515R0001
	11 to 20	0,14 - 1,5 mm <sup>2</sup>	XRG2, XRG3	MP-XR2/3-P12	Multiplug P12 for AUX - EFM - MOT	1SEP619637R0001
	1 to 8	0,2 - 2,5 mm <sup>2</sup>	XRG2, XRG3	MP-XR2/3-P20	Multiplug P20 for CT's - AUX - EFM - MOT*	1SEP408514R0001
	11 to 20	0,14 - 1,5 mm <sup>2</sup>				

\*This multiplug is included when ordering EFM or MOT.

### Ammeter

Measuring range	CT secondary current	Type	Order code
0-150-180	5A	AM-XR-0-150-180/5	NHSN714003P1150
0-250-300	1A	AM-XR-0-250-300/1	NHSN714003P0250
0-250-300	5A	AM-XR-0-250-300/5	NHSN714003P1250
0-400-480	1A	AM-XR-0-400-480/1	NHSN714003P0400
0-400-480	5A	AM-XR-0-400-480/5	NHSN714003P1400
0-600-720	1A	AM-XR-0-600-720/1	NHSN714003P0600
0-600-720	5A	AM-XR-0-600-720/5	NHSN714003P1600

Note! Ammeter bracket needs to be ordered separately.

### Ammeter housing

Type	Description	Order code
BR-XRG-AM	XRG Ammeter housing	1SEP622664R0001

## Ordering information

Current metering in SlimLine XR Gold standard device 1 and 3 phase

### Current transformers

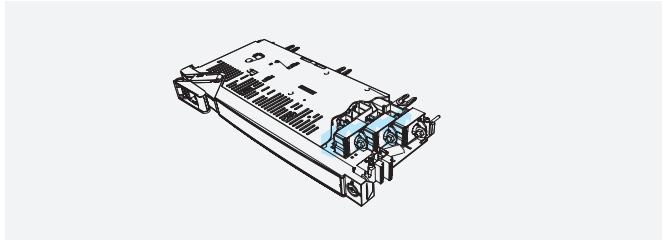
Suitable for size	Mountable		Ratio	Power	Class	CT diameter	MBS-type	Type	Order code
	Mountable inside switch	with contact extension							
XRG00, XRG1	x	x	150/1	3,75	1	21 mm	ASR 20.3	CT-XR00/1-150/1-1	NHSN718054P1015
XRG00, XRG1	x	x	150/5	3,75	1	21 mm	ASR 20.3	CT-XR00/1-150/5-1	NHSN718054P5015
XRG00, XRG1	x	x	150/1	2,5	0,5	21 mm	ASR 20.3	CT-XR00/1-150/1-0.5	NHSN718055P1015
XRG00, XRG1	x	x	150/5	2,5	0,5	21 mm	ASR 20.3	CT-XR00/1-150/5-0.5	NHSN718055P5015
XRG1	x		250/1	5	1	21 mm	ASR 20.3	CT-XR1-250/1-1	NHSN718054P1025
XRG1	x		250/5	5	1	21 mm	ASR 20.3	CT-XR1-250/5-1	NHSN718054P5025
XRG1	x		250/1	5	0,5	21 mm	ASR 20.3	CT-XR1-250/1-0.5	NHSN718055P1025
XRG1	x		250/5	5	0,5	21 mm	ASR 20.3	CT-XR1-250/5-0.5	NHSN718055P5025
XRG1		x	250/1	10	1	32 mm	ASK 41.4	CT-XR2/3-250/1-1	NHSN718047P1025
XRG1		x	250/5	10	1	32 mm	ASK 41.4	CT-XR2/3-250/5-1	NHSN718047P5025
XRG1		x	250/1	5	0,5	32 mm	ASK 41.4	CT-XR2/3-250/1-0.5	NHSN718056P1025
XRG1		x	250/5	5	0,5	32 mm	ASK 41.4	CT-XR2/3-250/5-0.5	NHSN718056P5025
XRG2, XRG3	x	x	250/1	10	1	32 mm	ASK 41.4	CT-XR2/3-250/1-1	NHSN718047P1025
XRG2, XRG3	x	x	250/5	10	1	32 mm	ASK 41.4	CT-XR2/3-250/5-1	NHSN718047P5025
XRG2, XRG3	x	x	300/1	10	1	32 mm	ASK 41.4	CT-XR2/3-300/1-1	NHSN718047P1030
XRG2, XRG3	x	x	300/5	10	1	32 mm	ASK 41.4	CT-XR2/3-300/5-1	NHSN718047P5030
XRG2, XRG3	x	x	400/1	10	1	32 mm	ASK 41.4	CT-XR2/3-400/1-1	NHSN718047P1040
XRG2, XRG3	x	x	400/5	10	1	32 mm	ASK 41.4	CT-XR2/3-400/5-1	NHSN718047P5040
XRG2, XRG3	x	x	500/1	10	1	32 mm	ASK 41.4	CT-XR2/3-500/1-1	NHSN718047P1050
XRG2, XRG3	x	x	500/5	10	1	32 mm	ASK 41.4	CT-XR2/3-500/5-1	NHSN718047P5050
XRG2, XRG3	x	x	600/1	10	1	32 mm	ASK 41.4	CT-XR2/3-600/1-1	NHSN718047P1060
XRG2, XRG3	x	x	600/5	10	1	32 mm	ASK 41.4	CT-XR2/3-600/5-1	NHSN718047P5060
XRG2, XRG3	x	x	300/1	10	0,5	32 mm	ASK 41.4	CT-XR2/3-300/1-0.5	NHSN718056P1030
XRG2, XRG3	x	x	300/5	10	0,5	32 mm	ASK 41.4	CT-XR2/3-300/5-0.5	NHSN718056P5030
XRG2, XRG3	x	x	400/1	10	0,5	32 mm	ASK 41.4	CT-XR2/3-400/1-0.5	NHSN718056P1040
XRG2, XRG3	x	x	400/5	10	0,5	32 mm	ASK 41.4	CT-XR2/3-400/5-0.5	NHSN718056P5040
XRG2, XRG3	x	x	500/1	10	0,5	32 mm	ASK 41.4	CT-XR2/3-500/1-0.5	NHSN718056P1050
XRG2, XRG3	x	x	500/5	10	0,5	32 mm	ASK 41.4	CT-XR2/3-500/5-0.5	NHSN718056P5050
XRG2, XRG3	x	x	600/1	10	0,5	32 mm	ASK 41.4	CT-XR2/3-600/1-0.5	NHSN718056P1060
XRG2, XRG3	x	x	600/5	10	0,5	32 mm	ASK 41.4	CT-XR2/3-600/5-0.5	NHSN718056P5060
XRG2, XRG3	x	x	300/5	5	0,2 s	32 mm	ASK 41.4	CT-XR2/3-300/5-0.2S	NHSN718053P5030
XRG2, XRG3	x	x	400/5	5	0,2 s	32 mm	ASK 41.4	CT-XR2/3-400/5-0.2S	NHSN718053P5040
XRG2, XRG3	x	x	500/5	5	0,2 s	32 mm	ASK 41.4	CT-XR2/3-500/5-0.2S	NHSN718053P5050
XRG2, XRG3	x	x	600/5	5	0,2 s	32 mm	ASK 41.4	CT-XR2/3-600/5-0.2S	NHSN718053P5060

Note! XRG00 and XRG1 mounted inside the switch needs a terminal extension.

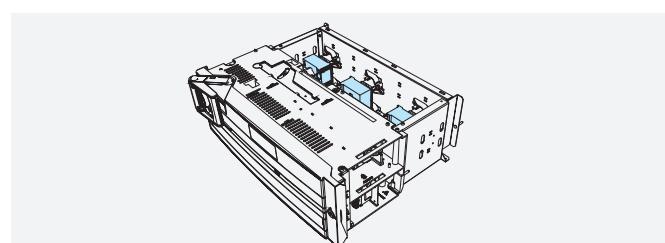
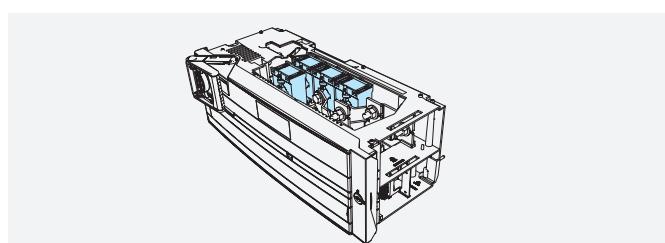
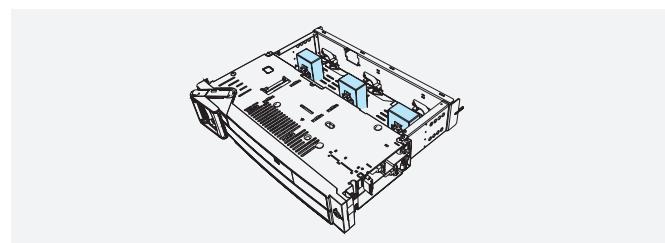
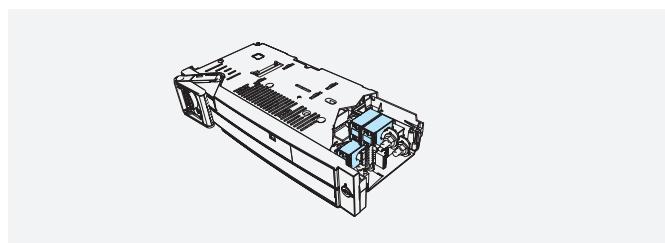
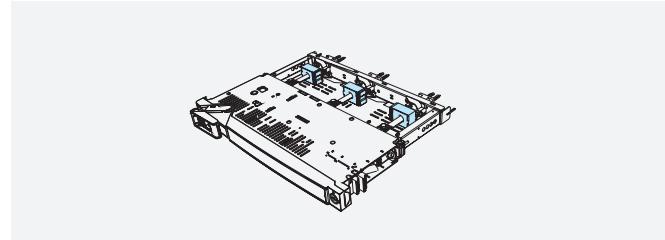
## Ordering information

Current metering in SlimLine XR Gold standard device 1 and 3 phase

—  
CT's mounted inside



—  
CT's mounted to contact extension



—  
**Terminal extension kit for CT in XRG00 and XRG1**

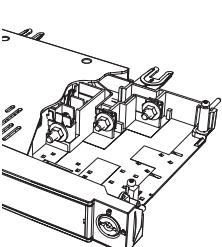
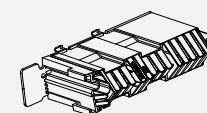
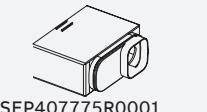
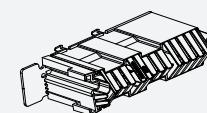
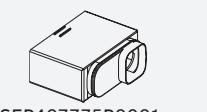
	Suitable for	CT diameter	Number of terminal extensions	Type	Order code
	XRG00	21 mm	1	TE-XR00-21-1	1SEP621867R0001
	XRG00	21 mm	3	TE-XR00-21-3	1SEP619446R0001
	XRG00	14 mm	1	TE-XR00-14-1	1SEP408630R0001
	XRG00	14 mm	3	TE-XR00-14-3	1SEP619447R0001
 — Terminal Extension kit	XRG1	21 mm	1	TE-XR1-21-1	1SEP621868R0001
	XRG1	21 mm	3	TE-XR1-21-3	1SEP619448R0001
	XRG1	21 mm	4	TE-XR1-14-1	1SEP408526R0001
	XRG1	17 mm	3	TE-XR1-14-3	1SEP619449R0001

## Ordering information

### Cable termination and cable shrouds

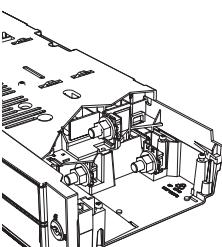
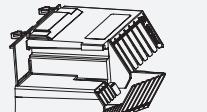
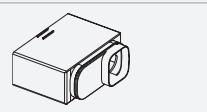
The SlimLine XR Gold is delivered with bolts as standard for connection of cables with lugs. Cable clamps for Al/Cu-cables are available as accessories.

XRG00 160 A

Type of clamp/bolt w/order code	Cable (Al/Cu) size (mm <sup>2</sup> )	Cable lugs standard	Torque (Nm)	Number of poles	Cable shroud w/order code
				2 / 3	 1SEP408496R0001
M8 (Standard)	- 95 - 120 <sup>1)</sup>	DIN 46235(Cu) DIN 46329(Al)	15 Nm	N / 4th	 1SEP407775R0001
Single clamp <sup>1</sup>					
3-pole: 1SEP408499R0001	Re: 10 - 50			15 Nm	 1SEP408496R0001
4-pole: 1SEP408501R0001	Rm: 10 - 50				
	Se: 50 - 70	95			
	Sm: 35 - 50	70 - 95	18 Nm	N / 4th	 1SEP407775R0001

<sup>1</sup>Not suitable when terminal extensions and multiplug are used.

XRG1 250A

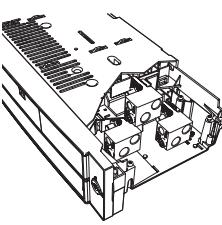
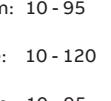
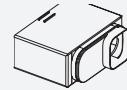
Type of clamp/bolt w/order code	Cable (Al/Cu) size (mm <sup>2</sup> )	Cable lugs standard	Torque (Nm)	Number of poles	Cable shroud w/order code
				2 / 3	 1SEP618211R0001
M12 (Standard)	- 240	DIN 46235(Cu) DIN 46329(Al)	30 Nm	N / 4th	 1SEP407775R0001
Single clamp					
3-pole: 1SEP408500R0001	Re: 16 - 70			20 Nm	 1SEP618211R0001
4-pole: 1SEP408502R0001	Rm: 16 - 35	50 - 185			
	Se: 35 - 70	95 - 300*			
	Sm: 35 - 50	70 - 240*	23 Nm	N / 4th	 1SEP407775R0001

\* 240 and 300 mm<sup>2</sup> not suitable for AL cables. Maximum allowed cross section for AL cables is 185 mm<sup>2</sup>.

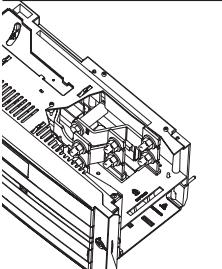
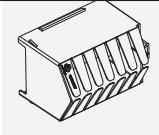
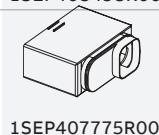
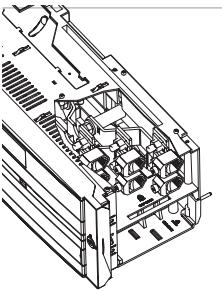
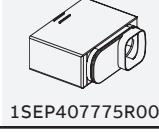
## Ordering information

Cable termination and cable shrouds

XRG1 250 A

Type of clamp/bolt w/order code	Cable (Al/Cu) size (mm <sup>2</sup> )	Torque (Nm)	Number of poles	Cable shroud w/order code
 Double clamp 3-pole: 1SEP408205R0003	 Re: 10 - 150 Rm: 10 - 95 Se: 10 - 120	15 Nm	2 / 3	 1SEP618211R0001
	 Sm: 10 - 95			 1SEP407775R0001

XRG2/3 400/630 A

Type of clamp/bolt w/order code	Cable (Al/Cu) size (mm <sup>2</sup> )	Cable lugs standard	Torque (Nm)	Number of poles	Cable shroud w/order code
 M12 (Standard)	2 x 240	DIN 46235(Cu) DIN 46329(AI)	30 Nm	N / 4th	 1SEP407775R0001
					 1SEP408498R0001
 Double clamp 3-pole: 1SEP304446R0002	 Re: 16 - 70      70 - 150 Rm: 16 - 35      50 - 185 Se: 35 - 70      95 - 300	DIN 46235(Cu) DIN 46329(AI)	20 Nm	2 / 3	 1SEP408498R0001
					 1SEP407775R0001
					 1SEP407775R0001

## Ordering information

### Contact extensions

#### Contact extensions for 50/5 mm, 200 mm length

Number of poles	Busbar distance	Suitable for Switch Size	Type	Order code
2	50	XRG00	CE-XR00-50-2P	1SEP102127R0002
2	50	XRG1	CE-XR1-50-2P	1SEP102128R0002
2	50	XRG2, XRG3	CE-XR2/3-50-2P	NHP 100495R0003
3	50	XRG00	CE-XR00-50-3P	1SEP102127R0001
3	50	XRG1	CE-XR1-50-3P	1SEP102128R0001
3	50	XRG2, XRG3	CE-XR2/3-50-3P	NHP 100495R0001
3	50	XRG3 SP	CE-XRM3-50-3P-SP	NHP 100495R0006
4	50	XRG00	CE-XR00-50-4P	1SEP102137R0001
4	50	XRG1	CE-XR1-50-4P	1SEP102138R0001
4	50	XRG2, XRG3	CE-XR2/3-50-4P	1SEP101861R0001

#### Contact extensions for 185/10 mm, 200 mm length

Number of poles	Busbar distance	Suitable for Switch Size	Type	Order code
3	185	XRG00	CE-XR00-185-3P	1SEP102135R0001
3	185	XRG1	CE-XR1-185-3P	1SEP102136R0001
3	185	XRG2, XRG3	CE-XR2/3-185-3P	NHP 100886R0001
4	185	XRG00	CE-XR00-185-4P	1SEP102208R0001
4	185	XRG1	CE-XR1-185-4P	1SEP102209R0001
4	185	XRG2, XRG3	CE-XR2/3-185-4P	1SEP102198R0001

#### Contact extensions for 50/10 mm, 100 mm length

Number of poles	Busbar distance	Suitable for Switch Size	Type	Order code
3	50	XRG00	CE-XR00-50/10-3P	1SEP622559R0001
3	50	XRG1	CE-XR1-50/10-3P	1SEP622560R0001
3	50	XRG2/3	CE-XR2/3-50/10-3P	1SEP622561R0001
4	50	XRG00	CE-XR00-50/10-4P	1SEP622559R0002
4	50	XRG1	CE-XR1-50/10-4P	1SEP622560R0002
4	50	XRG2/3	CE-XR2/3-50/10-4P	1SEP622561R0002

Note! Special version for System Pro E Power RBBS.

#### Contact extensions for 50/10 mm, 100 mm length

Number of poles	Busbar distance	Suitable for Switch Size	Type	Order code
3	50	XRG00	CE-XR00-50/10-3P-LOW	1SEP622559R0101
3	50	XRG1	CE-XR1-50/10-3P-LOW	1SEP622560R0101
3	50	XRG2/3	CE-XR2/3-50/10-3P-LOW	1SEP622561R0101
4	50	XRG00	CE-XR00-50/10-4P-LOW	1SEP622559R0102
4	50	XRG1	CE-XR1-50/10-4P-LOW	1SEP622560R0102
4	50	XRG2/3	CE-XR2/3-50/10-4P-LOW	1SEP622561R0102

Note! Special LOW version CE for System Pro E Power RBBS extended types where passive arc protection is required.

## Ordering information

### Common accessories

#### Common accessories

Type	Description	Order code
PAP-XR	MNS arc protection back cover for XRG	1SEP622767R0001
		
PAP-XR	RBBS arc protection back cover for XRG	1SEP622832R0001
		
VBC-XR-50	XR Ventilated blind cover 50 mm high. The ventilation ribs give an IP41 protection degree. The kit includes fixing brackets and screws.	1SEP408528R0001
		
MGR-XR-200	XR Module guide rails 200 mm. The guide rails can be integrated in the switchboard to support the installation of the XR apparatus first installed at the bottom side of the switchboard. The kit includes left and right piece. The ventilated blind cover can be fixed directly to the front fixing brackets. (To be ordered separately).	NHP 200947R0002
		
MGR-XR-400	XR Module guide rails 400 mm. The guide rails can be integrated in the switchboard to support the installation of the XR apparatus first installed at the bottom side of the switchboard. The kit includes left and right piece. The ventilated blind cover can be fixed directly to the front fixing brackets. (To be ordered separately).	NHP 200947R0003
		

## Ordering information

### Common accessories

#### Common accessories

Type	Description	Order code
	FCK-XR Front cover key	GMN 436770P0022
	PE-XR XR Padlock Extension up to 3 padlocks	1SEP408753R0001
	DHK-XR2/3 XR2/3 Double handle kit	1SEP601098R0001
	RT-XR XR Replacement tool	1SEP601118R0001
	OFAE506 Fuse replacement handle	1SCA128175R1001

# Ordering information

## SlimLine cassettes and IP busbar covers

### **SlimLine Cassette**

The SlimLine cassette is a complete steel framework with busbar supports. It is used as a framework for easy installation of the SlimLine product range into switchgear systems which do not accept the SlimLine directly.

### **Facts about the SlimLine cassette**

Available in 4 sizes:

Height = 500 mm, max 10 pcs. 00-devices

Height = 1000 mm, max 20 pcs. 00-devices

Height = 1500 mm, max 30 pcs. 00-devices

Height = 2000 mm, max 40 pcs. 00-devices

- Supplied as a flat package without busbars
- Easy and fast assembly using self tapping screws
- For vertical or horizontal installation
- Aluzink coated profiles
- Front profiles as well as top- and bottom plates are black
- Extendable in the busbar direction
- Type tested busbar system
- 65 kA 10 x 40 → 100 mm Cu-busbars
- 3- and 4-pole solutions
- Available for 185 mm busbar distance

### **IP20 busbar cover kit**

Kit with busbar covers for IP20 degree of protection. They can be snapped directly into the cassette.

### **Kit for 400 mm depth**

In order to extend the normal depth of 200 mm in a standard cassette of 400 mm, a special 400 mm extra top and bottom unit is available for replacing the standard top and bottom units. Two units are required as replacements in one cassette. Order code 1SEP102079P0001 is for 1 unit.

### **Cassette for 185 mm busbar distance 3- and 4-pole**

H = 500 mm

H = 1000 mm

H = 1500 mm

H = 2000 mm

### **IP20 busbar cover kit Universal 3- and 4-pole, 185 mm**

Kit for:

H = 500 mm

H = 1000 mm

H = 1500 mm

H = 2000 mm

## Ordering information

SlimLine cassettes and IP busbar covers

### Rated current for the busbars

CU-profile (mm)	Max current* (A)	Short circuit current (kA) rms 1 sec.	Rated Voltage (V)
10 x 40	715	65	690
10 x 50	852	65	690
10 x 60	985	65	690
10 x 80	1240	65	690
10 x 100	1490	65	690

\* All values at 35°C ambient temperature and busbar temperature of 65°C.

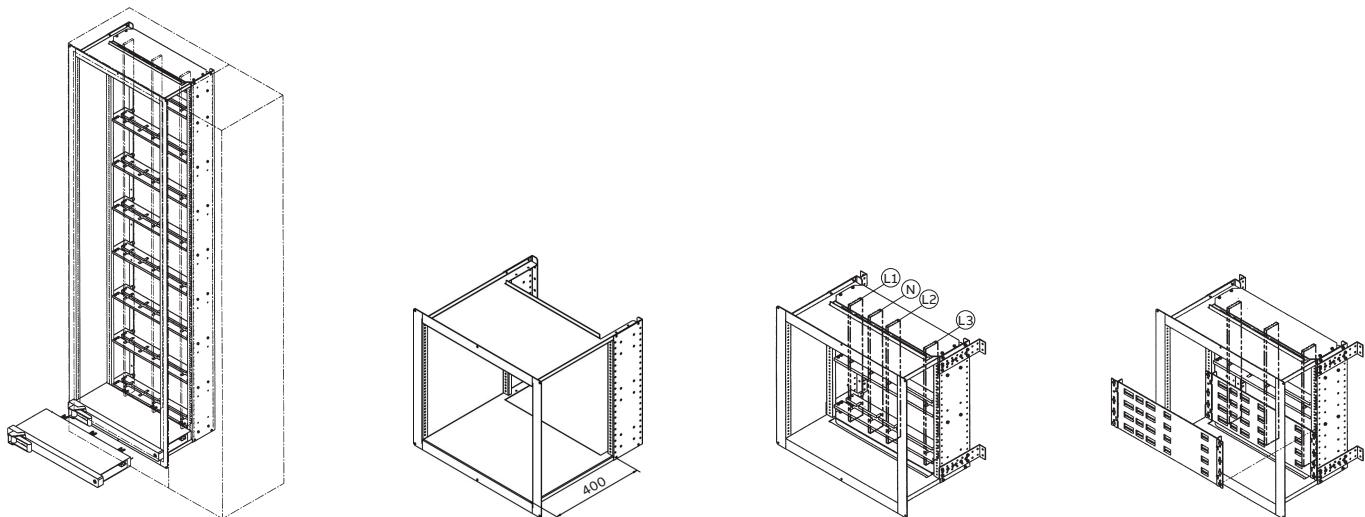
\* Tested with XRG1 at 800V.

### SlimLine cassettes for busbar distance 185 mm

Height	Type	Order code	Weight (kg)
500 mm	CAS-XR-185/500	1SEP102223R0001	12,7
1000 mm	CAS-XR-185/1000	1SEP102223R0002	21,2
1500 mm	CAS-XR-185/1500	1SEP102223R0003	30
2000 mm	CAS-XR-185/2000	1SEP102223R0004	38

### IP busbar cover for busbar distance 185 mm

Height	Type	Order code	Weight (kg)
500 mm	BBC-XR-500	NHP 407062R0001	1,5
1000 mm	BBC-XR-1000	NHP 407062R0002	2,8
1500 mm	BBC-XR-1500	NHP 407062R0003	4,1
2000 mm	BBC-XR-2000	NHP 407062R0004	5,4
200 mm	BBC-XR-200	NHP 101474P0001	0,5



## Ordering information

Spareparts and front covers

---

**Front cover with handle spare parts for XRG switches NH and BS type**

Type	Description	Order code
XRG00	XRG00 Front cover with white handle	1SEP102219R0013
XRG1	XRG1 Front cover with white handle	1SEP102222R0004
XRG2	XRG2 Front cover with white handle	1SEP408521R0002
XRG3	XRG3 Front cover with white handle	1SEP408521R0004

---

**Spareparts and accessories for switches equiped with ITS2.1 and ITS2.D**

Type	Description	Order code
ITS2.1-XR	XR ITS2.1 Control unit for XR 00, 1, 2, 3	1SEP621859R0001
ITS2.D-XR	XR ITS2.D Control unit with Display for XR	1SEP621860R0001
ED-XR-ITS2.1	Ekip Display to add at the ITS2.1 incl. window	1SEP621862R0001
T&P cable	Ekip Programming	1SDA076154R1
Ekip Com Modbus TCP-OX	Modbus TCP communication module	1SDA104052R1
MP-XR-ITS2	ITS2 / ITS2.1 / ITS2.D Multiplug (spare part)	1SEP622641R0001

Note! ITS2.1 is factory mounted and cannot be upgraded to a normal XRG product.





## Technical data

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## Technical data

SlimLine XR Gold–Switch disconnector fuses

### 3-pole

Type	XRG00		XRG1		XRG2		XRG3	
Rated operational voltage Ue (V)	500	690	500	690	800	500	690	500
Rated operational current Ie (A)	160	125	250	250	250	400	400	630
Rated insulation voltage Ui (V)	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage Uimp (V)	8000	8000	8000	8000	8000	8000	8000	8000
Fuse protected short circuit making (kArms)	120	100	120	100	100	120	100	120
Fuse protected short circuit withstand (kArms)	120	100	120	100	100	120	100	120
Rated making and breaking capacity	AC23A	AC23A	AC23A	AC23A	AC22B	AC23A	AC23A	AC23A
Rated frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Durability: Total / With current	8000/ 1000	8000/ 1000	8000/ 1000	1600/ 200	5000/ 1000	5000/ 1000	5000/ 1000	5000/ 1000
Degree of protection from the front acc. to IEC / EN 60529	IP41	IP41	IP41	IP41	IP41	IP41	IP41	IP41

Type tested according to IEC 60947-3.

Tested with gG fuse.

Valid also for BS fuses.

### 4-pole

Type	XRG00	XRG1	XRG2	XRG3
Rated operational voltage Ue (V)	500	500	500	500
Rated operational current Ie (A)	160	250	400	630
Rated insulation voltage Ui (V)	1000	1000	1000	1000
Rated impulse withstand voltage Uimp (V)	8000	8000	8000	8000
Fuse protected short circuit making (kArms)	55	55	55	55
Fuse protected short circuit withstand (kArms)	100	100	100	100
Rated making and breaking capacity	AC22B	AC22B	AC22B	AC22B
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Durability: Total / With current	1600/200	1600/200	1000/200	1000/200
Degree of protection from the front acc. to IEC / EN 60529	IP41	IP41	IP41	IP41

Type tested according to IEC 60947-3.

Tested with gG fuse.

Valid also for BS fuses.

## Technical data

### SlimLine XR Gold-Switch disconnector fuses

#### — 2-pole

Type	XRG00	XRG1	XRG2	XRG3
Rated operational voltage Ue (V)	230	500	230	500
Rated operational current Ie (A)	125	160	250	400
Rated insulation voltage Ui (V)	1000	1000	1000	1000
Rated impulse withstand voltage Uimp (V)	8000	8000	8000	8000
Fuse protected short circuit making (kArms)	66	66	66	66
Fuse protected short circuit withstand (kArms)	100	100	100	100
Rated making and breaking capacity	DC23B	DC21B	DC23B	DC21B
Durability: Total / With current	1600/ 200	1600/ 200	1600/ 200	1000/ 200
Degree of protection from the front acc. to IEC / EN 60529	IP41	IP41	IP41	IP41

Type tested according to IEC 60947-3.

Tested with gG fuse.

Tests run at AC.

Valid also for BS fuses.

#### — Power losses in SlimLine XRG

Size	00	1	2	3
Rated current (A)	160	250	400	630
Power losses* (W)	33	70	100	245

\*The values given include all three phases, but without fuses.

#### — Type of Fuses for XRG BS versions

Current	Fuse Type	Distance between fuse bolts
63 A	A3	72 mm
100 A	A3	72 mm
160 A	OOT Lawson	72 mm
250 A	B2	110 mm
400 A	B4	112 mm
630 A	3T Lawson	112 mm

## Technical data

Electronic Fuse Monitoring (EFM) and Motor operation (MOT)

### Technical data for XRG EFM

	DC	AC
Rated AC voltage Ue		280...880 VAC
DC 110: Rated DC voltage Ue	45 ... 140 VDC	
DC 550: Rated DC voltage Ue	135 ... 550 VDC	
Power consumption	2 W	< 3V A
<b>Functional characteristics</b>		
Operating time to	≤ 4 s	≤ 2s
Measuring accuracy	± 5%	
<b>Signaling relay output terminals (multiplug)</b>		
Normally opened	Terminal 11 - 12	Terminal 11 - 12
Normally closed	Terminal 12 - 13	Terminal 12 - 13
Rated load, resistive	4 A at 24 VDC Utilization category DC-1	8 A at 24 VDC
Rated load, inductive	2 A at 24 VDC Utilization category DC-13	2 A at 24 VDC
Rated load, resistive	4 A at 240 VAC Utilization category AC-1	8 A at 250 VAC
Rated load, inductive	3 A at 240 VAC Utilization category AC-15	5 A at 250 VAC
Wiring capacity (mm <sup>2</sup> )	Stranded/solied 0,14 - 1,5	Stranded/solied 0,14 - 1,5
	Stranded with ferrule, with/without plastic sleeve 0,25-0,5/0,25-1,5	Stranded with ferrule, with/without plastic sleeve 0,25-0,5/0,25-1,5
<b>Dielectric properties (IEC 60947-1)</b>		
Rated impulse withstand voltage (Uimp), basic insulation	2,5 kV/6,0 kV	9,8 kV
All poles connected together/Earth	1,5 kV / 1,89 kV / 1 min 50 Hz	3,5 kV / 1 min 50 Hz
All poles connected together/Auxiliary contacts	1,89 kV / 1 min 50 Hz	3,5 kV / 1 min 50 Hz
Insulation resistance	> 1 MΩ, 500 VDC	
<b>EMC characteristics</b>		
Electrostatic Discharge EN 6100-4-2 Air	8 kV	± 8 kV
Electrostatic Discharge EN 6100-4-2 Contact	4 kV	± 4 kV
Electrostatic Fast Transient EN 6100-4-4	Level 3	Level 3
Surge immunity EN 6100-4-5	Level 2	Level 2
Power frequency magnetic field EN 6100-4-8	Level 5	Level 5
MTBF		1.103.137 hours at 80°C

### Technical data for Motor operation (MOT)

Technical data MOT	XRG MOT
Operational voltage	24 VDC ± 2 Volt
Operational consumption peak value *	1,1 A
Signal duration	Min. 0,5 sec. or permanent
Minimum number of operations	According to IEC / EN 60947-3

\* Recommended power supply 10 A.





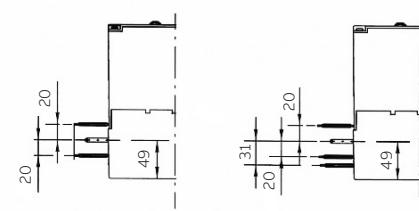
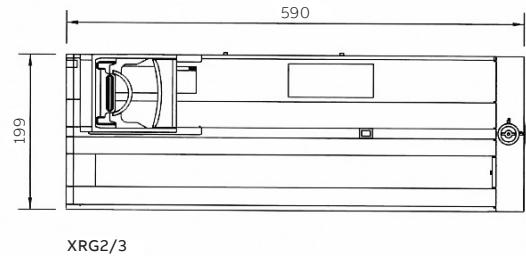
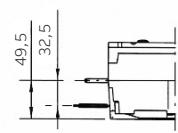
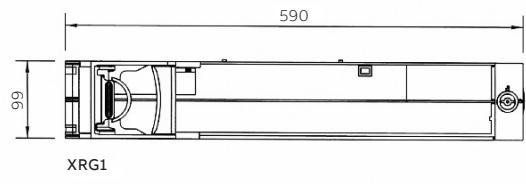
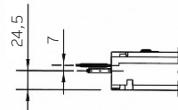
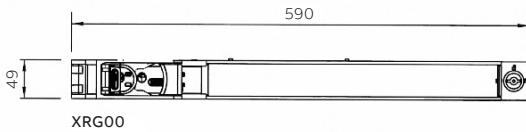
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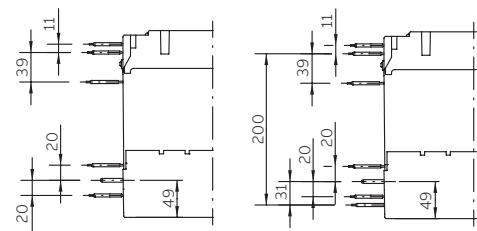
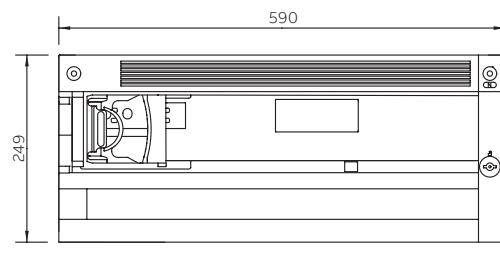
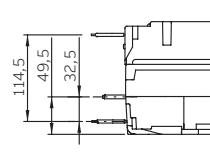
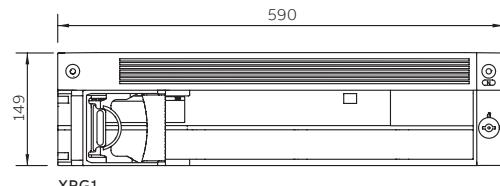
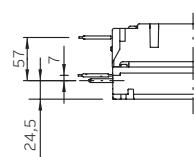
## Dimensional drawings

Front and side view

### 2-pole / 3-pole



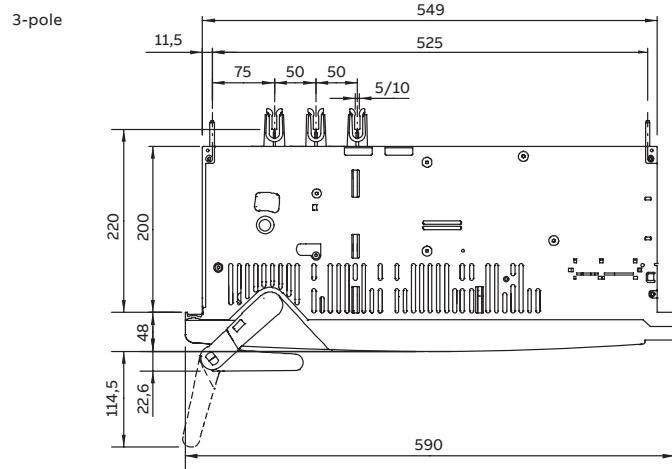
### 4-pole



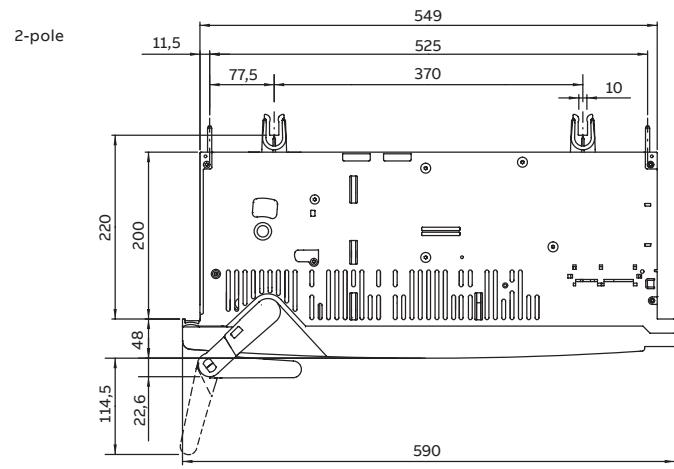
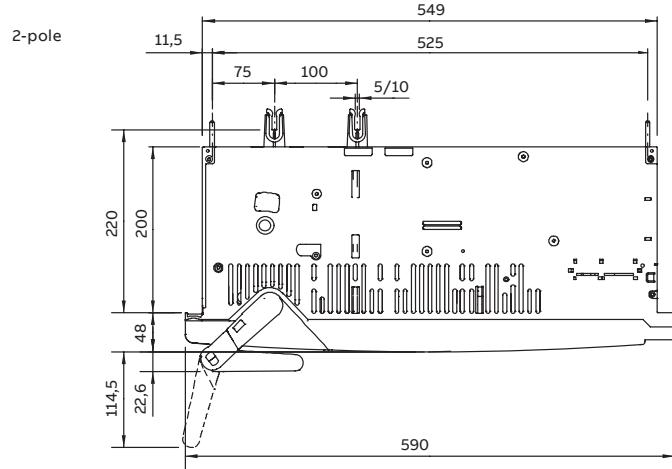
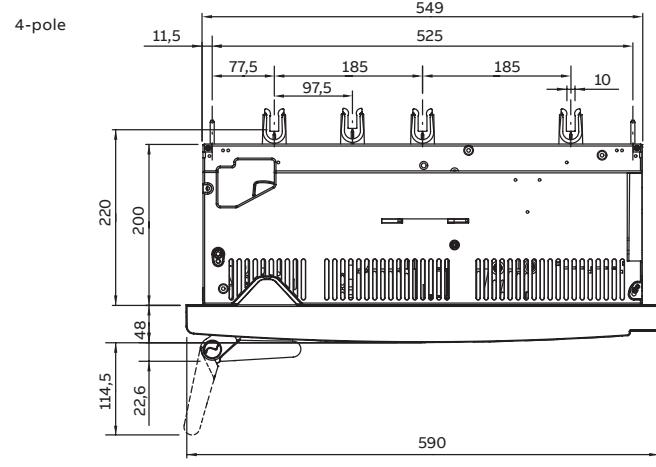
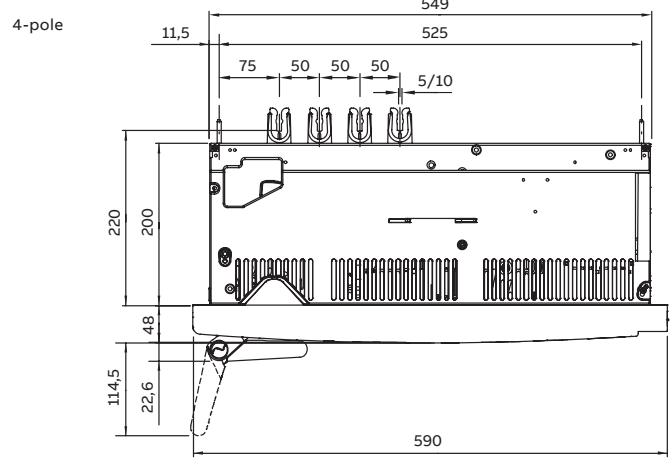
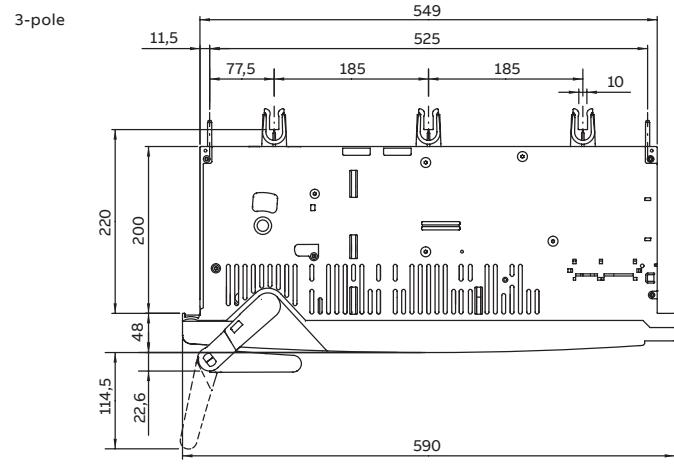
## Dimensional drawings

Top view

**50 mm distance between phases**



**185 mm distance between phases**

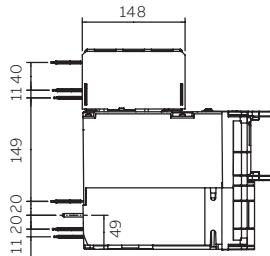
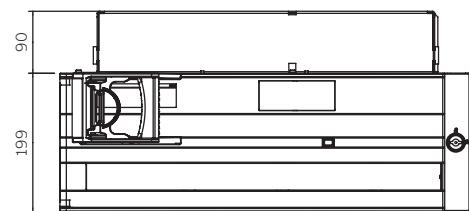
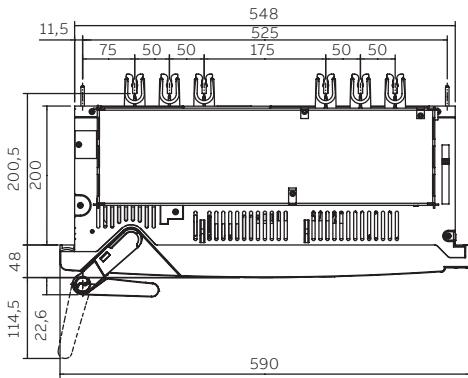


## Dimensional drawings

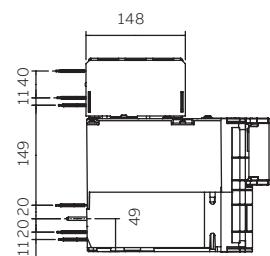
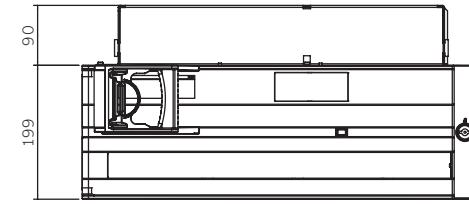
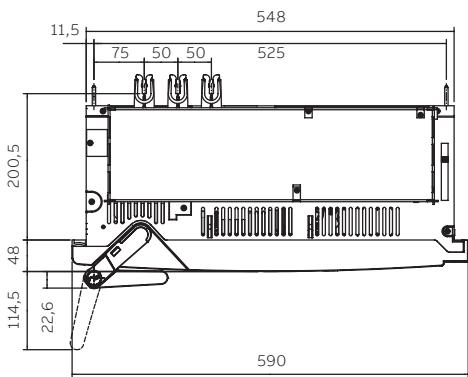
### Section switch

#### 50 mm phase distance

XRG3-50/5-3P-SP

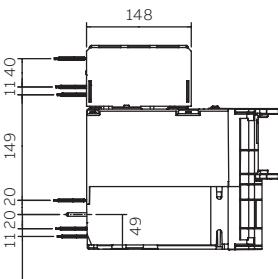
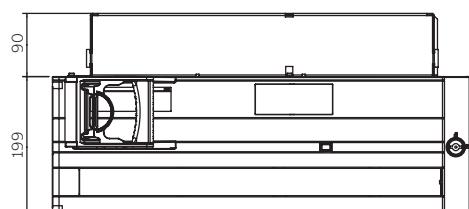
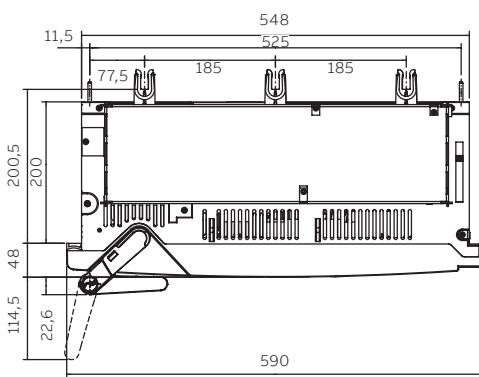


XRG3-50/5-3P-SS



#### 185 mm phase distance

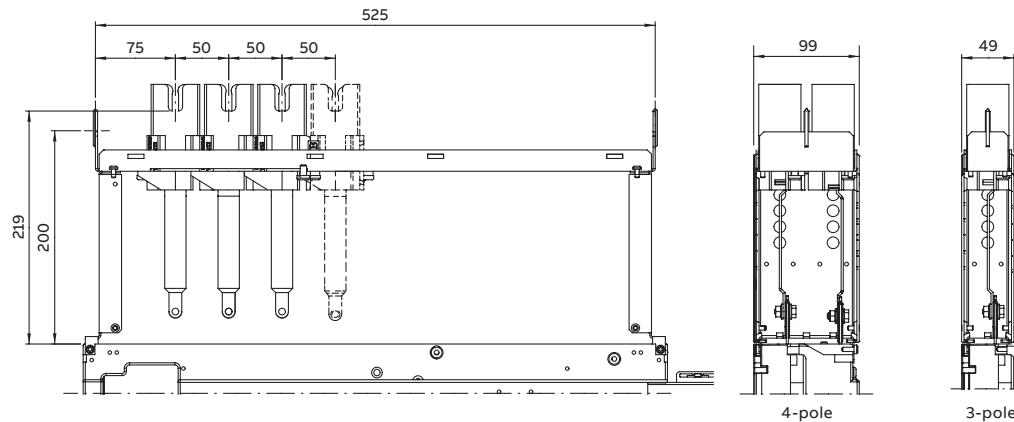
XRG3-185/10-3P-SS



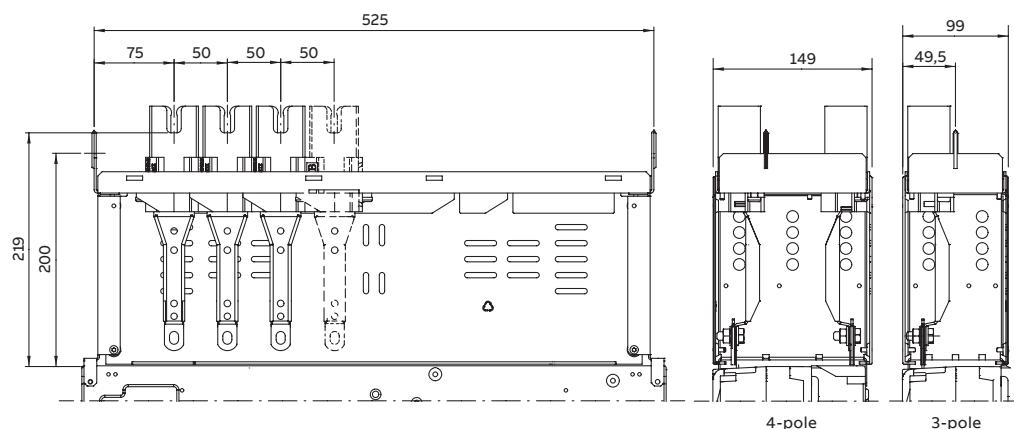
## Dimensional drawings

Contact extension, 50 mm distance between phases

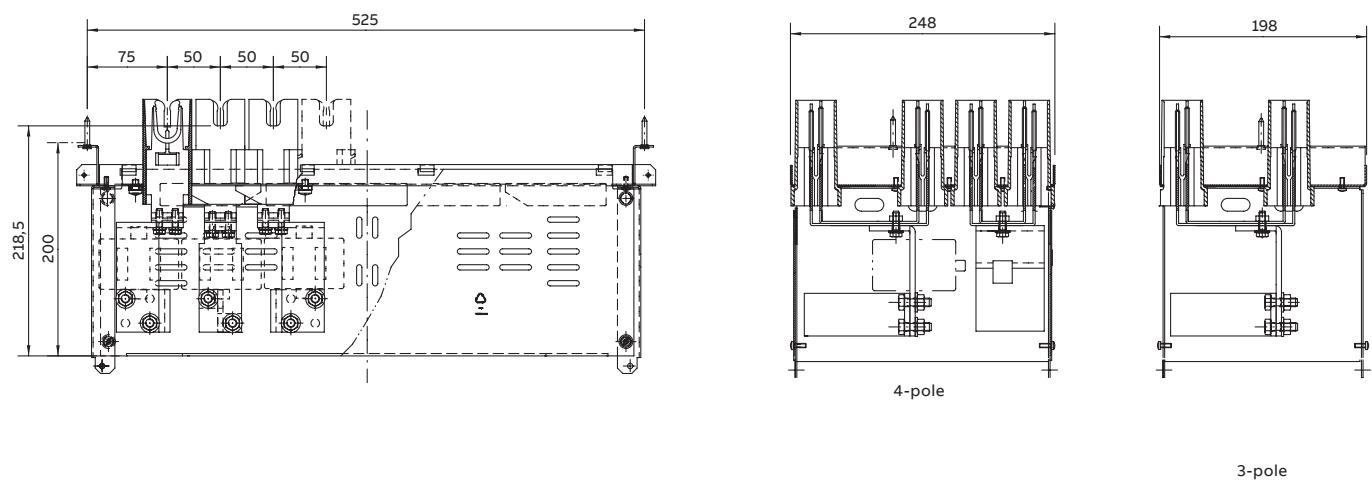
**XRG00**



**XRG1**



**XRG2/3**

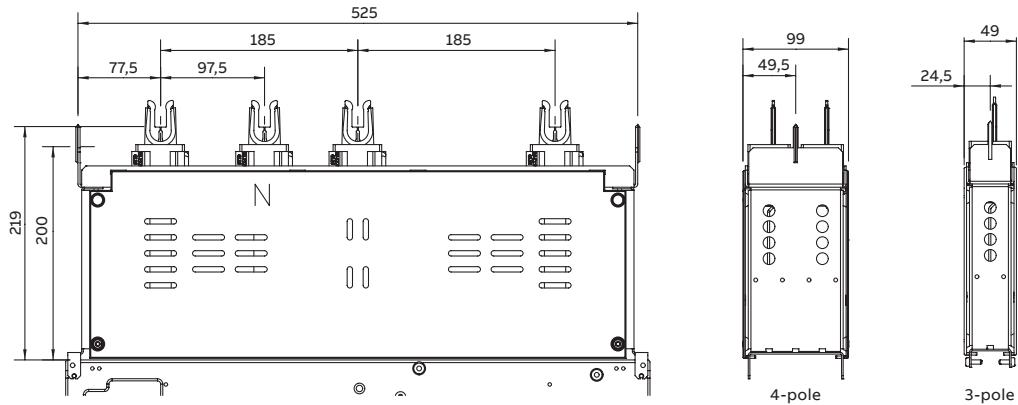


05

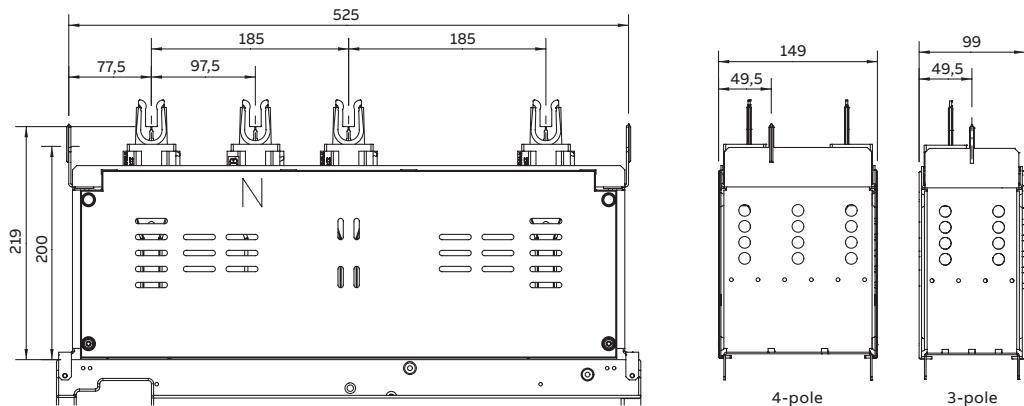
## Dimensional drawings

Contact extension, 185 mm distance between phases

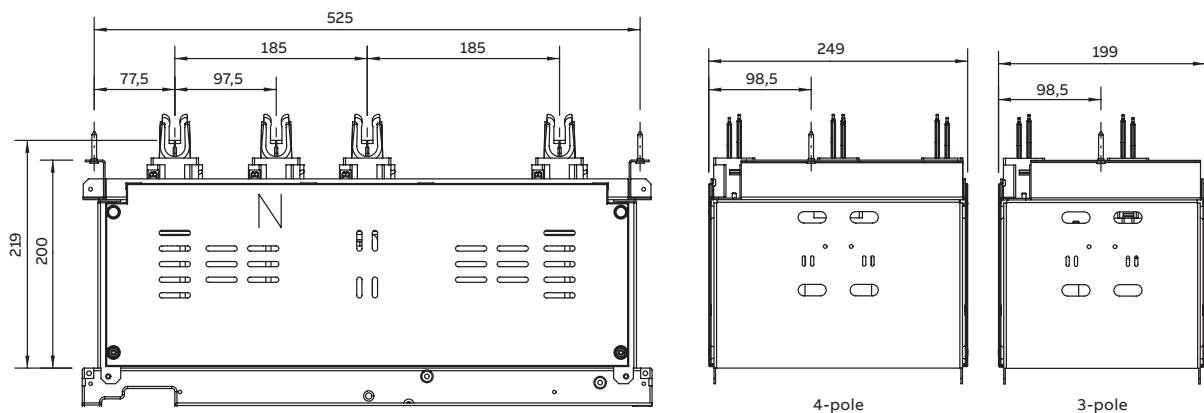
**XRG00**



**XRG1**



**XRG2/3**

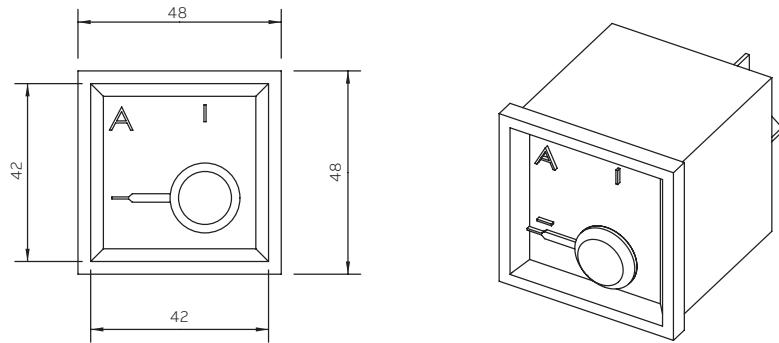


## Dimensional drawings

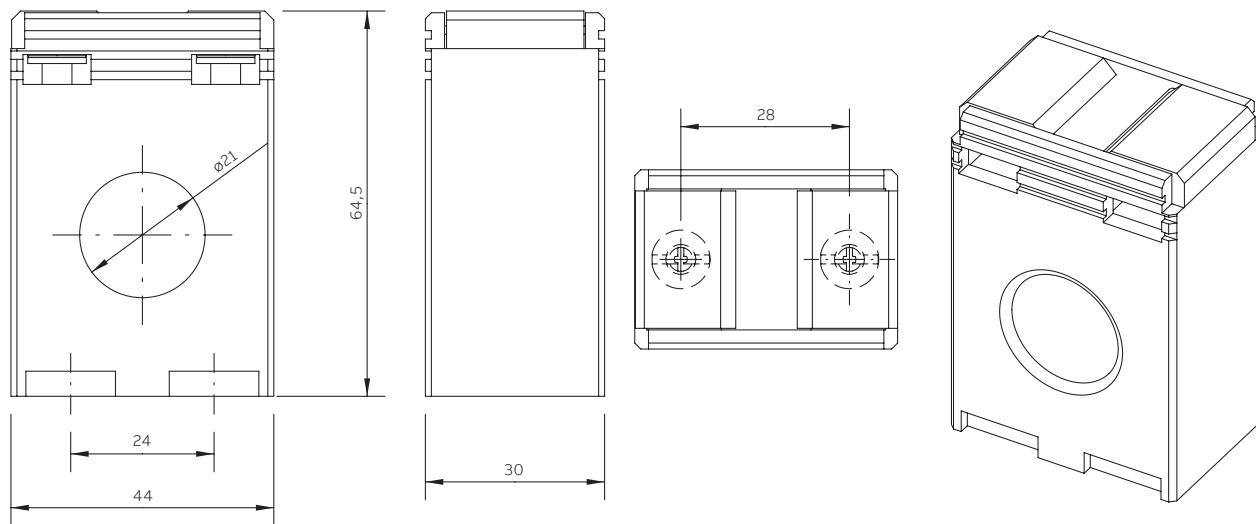
Ammeters and Current transformers

### Ammeters

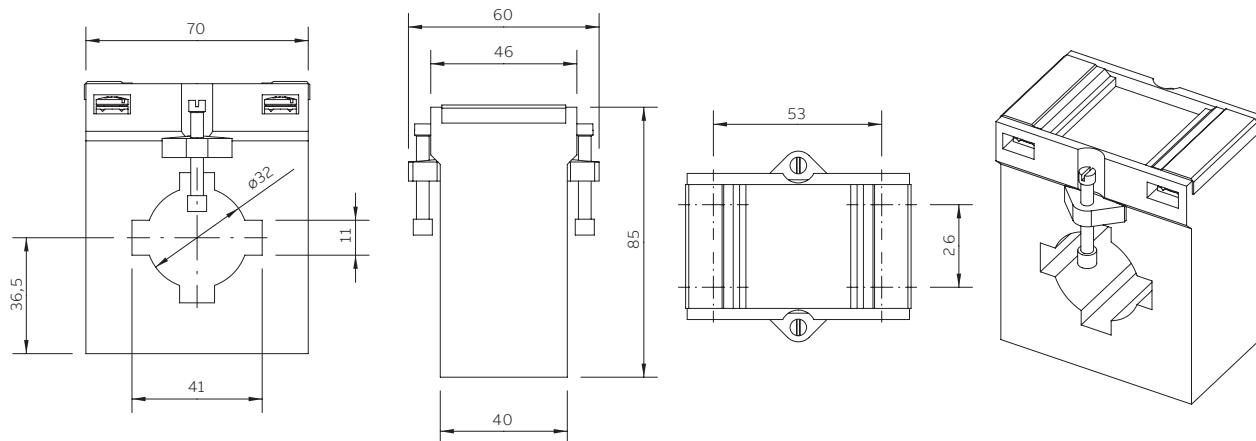
CEWE QB 48 maximum demand A-meters



### Current transformer XRG 00/1

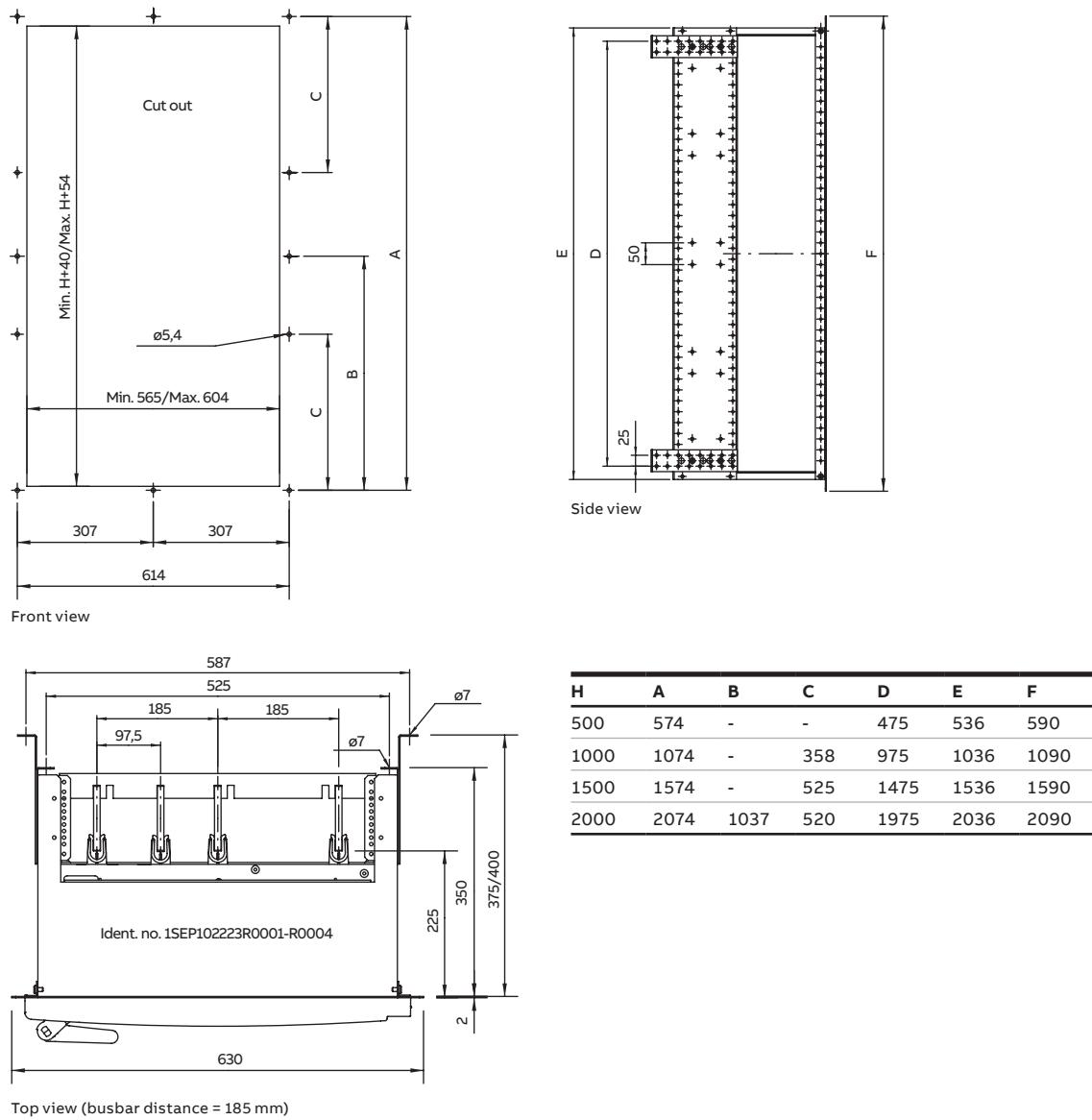


### Current transformer XRG 2/3



## Accessories

### Cassette





## Notes





—  
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**Smart Power**  
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