



Product selection guide Kabledon cable cabinet, 12–36 kV

Kabeldon HDC-A cable cabinet, 12–36 kV

A robust and safe solution

Application area

Kabeldon HDC-A offers unique capabilities for jointing and branching in cable grids. Due to connections being made above ground, improved flexibility is gained when working in the grids.

As necessary, selected cables can be sectionalized for e.g. maintenance. Disconnected cables can be earthed with special earthing devices and tools. The rest of the cable grid can then be energized, thus limiting the number of subscribers affected by a temporary interruption to service.

HDC-A is excellent for use in applications such as consumer grids and wind power farms.

In wind power parks, the cable cabinets can be used as branching points so that separate cables do not need to be run from each wind turbine to the substations. This entails lower costs for among other things, excavation and cabling.

HDC-A is connected in the cable grid so that power can be disconnected before beginning work in a cabinet. A basic diagram of how a grid can be configured is presented at the bottom of this page.

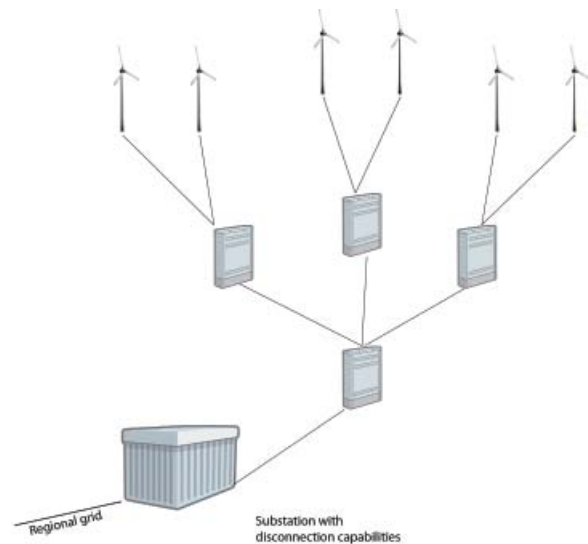
Design

The cable cabinet consists of:

- An enclosure constructed of hot-dip galvanized sheet steel with additional corrosion protection on components that will be installed underground.
- Semi-enclosed cable connectors that are connected together with coupling pieces mounted in the cabinet.

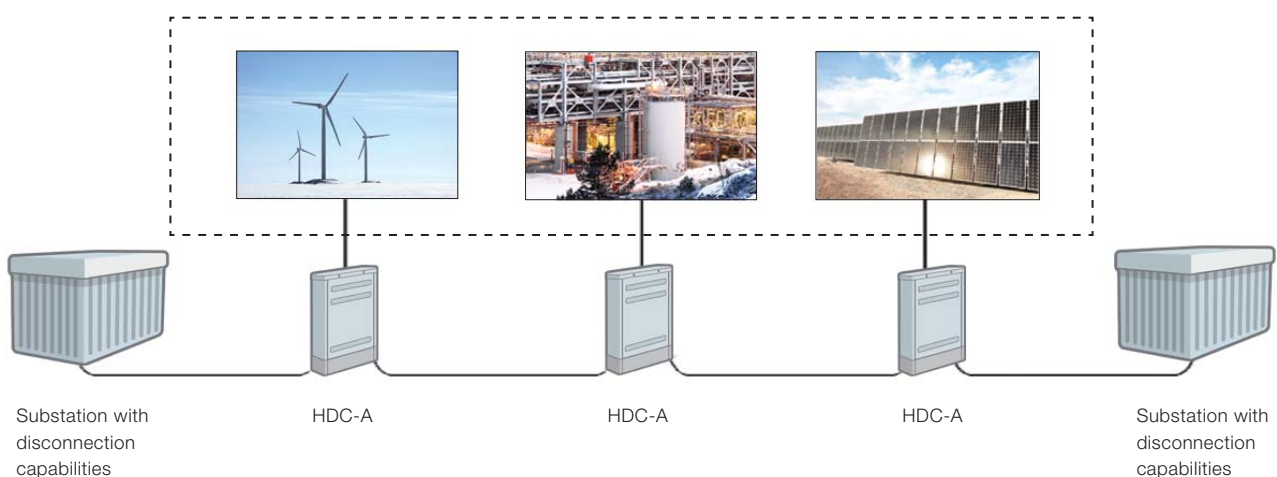
Standards

- Enclosures: impact testing according to international standard IEC 60439-5.
- Cable connectors: electrical requirements according to European standard CENELEC HD 629.1 S2.



General diagram for wind power parks with 36 kV cabinets serving as junction points.

General diagram for cable grid with HDC-A





Kabeldon cable cabinet for 36 kV.

Configuration

HDC-A is supplied in five configurations as follows:

HDC-A 12250

- Voltage: 12 kV
- Rated current: 250 A
- Cable cross section: 25–95 mm²
- Total variants: 1

See pages 4–5

HDC-A 24250

- Voltage: 24 kV
- Rated current: 250 A
- Cable cross section: 25–95 mm²
- Total variants: 1

See pages 6–7

HDC-A 12630

- Voltage: 12 kV
- Rated current: 630 A
- Cable cross section: 25–630 mm²
- Total variants: 3

See pages 8–9

HDC-A 24630

- Voltage: 24 kV
- Rated current: 630 A
- Cable cross section: 25–630 mm²
- Total variants: 3

See pages 10–11

HDC-A 36630

- Voltage: 36 kV
- Rated current: 630 A
- Cable cross section: 50–630 mm²
- Total variants: 3

See pages 12–13

Accessories and optional equipment

See pages 14–15

Kabeldon cable cabinet, 12 kV, 250 A HDC-A 12250

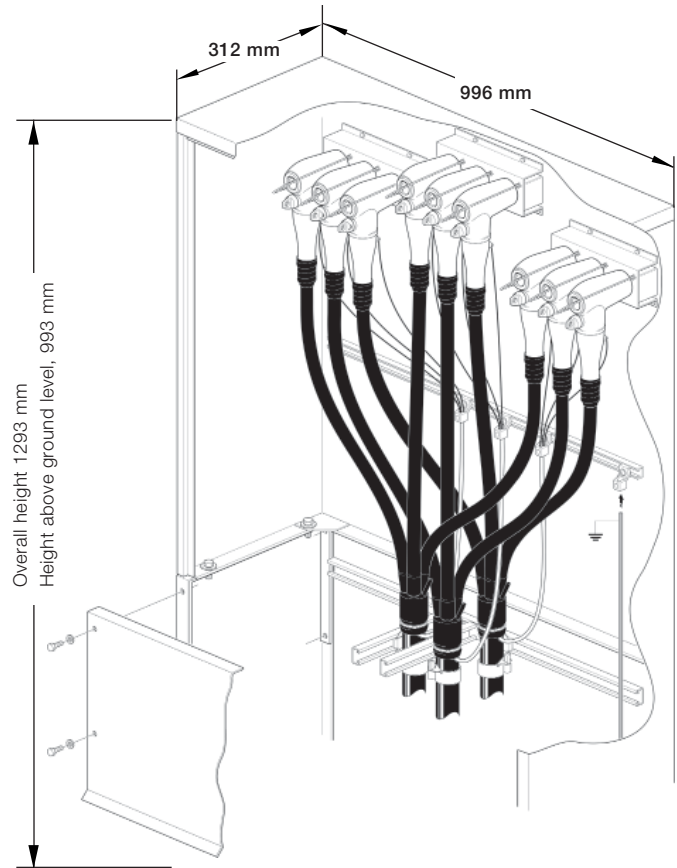
Basic configuration

ID number: 2GPJ 63301170
Voltage level: 12 kV
Rated current: 250 A
Cable size: 25–95 mm²

The cabinet is supplied with 9 cable connectors.

Optional

The cabinet is supplemented depending on the cable type used, the number of cables to be connected or whether cables need to be sectionalized. Available accessories are shown on page 5, 14 and 15.



HDC-A 12250 is available in the following variants

Conductor cross section in basic configuration mm ²	Variant	ID number	Accessories See page
25–95*	HDC-A 12250	2GPJ 63301170	5

* For cables smaller than 25 mm², contact us.

Following components are included in HDC-A 12250*

Product	Product designation	Application area/content	Quantity
Enclosure	HDC-A 250	312 mm depth, installed with coupling pieces, earth bar and labels, SE or triangular lock in door	1
Foot package**	MARK-S 73	280 mm depth, incl. 2 protection plates with anchor bar, 2 base supports	1
Transversal anchor bar	KA 250	Cable restraint	2
Cable clamp	UKRA 90	Attachment of cable to anchor bar	9
Screened separable cable connector with voltage indication capability	CSE-A 12250	Screened separable cable connectors for branching, 3-phase kits	3 kits
Connector	AD 350	Connection of cable screen	3
Connector	AD 70	Connection of earth wire	1
Key	NK 30 or NK 3	For lock	1
Installation instructions	–	For easy installation	1

* Accessories for HDC-A 12250 on the next page.

** For foot package for floor installation, contact us.

Accessories for cable cabinet HDC-A 12250

Accessories for installation of 3-core cables, screen separation kit (choose one alternative)

Screen separation kit	PSSK 1 L*	PSSK 2 L*
Type	Heat-shrink	
ID number	2GPJ 62341197	2GPJ 62341197
Length	2 m	2 m
Voltage level	12 kV	12 kV
3 x 25 mm ²	X	
3 x 35 mm ²	X	
3 x 50 mm ²	X	
3 x 70 mm ²	X	
3 x 95 mm ²		X

* Reinforced configuration that permits underground branching. For cables with copper or aluminium wire screens.

Other accessories

Application area	Description	Product designation	ID number	Quantity
When connecting only two cables	Insulating hood	IH-A 24250	2GPJ 62341150	3 per kit
When earthing disconnected connector	Insulating hood	IH-A 24250	2GPJ 62341150	3 per kit
	Earthing kit	JP 250 HDC	2GPJ 52340474	3 per kit
When measuring, e.g., phase marking	Measurement adapter	MA 250	2GPJ 52340475	1
When energizing disconnected connector	Insulating hood	IH-A 24250	2GPJ 62341150	3 per kit
	Insulating plug	IP 250	2GPJ 62341181	1

Kabeldon cable cabinet, 24 kV, 250 A HDC-A 24250

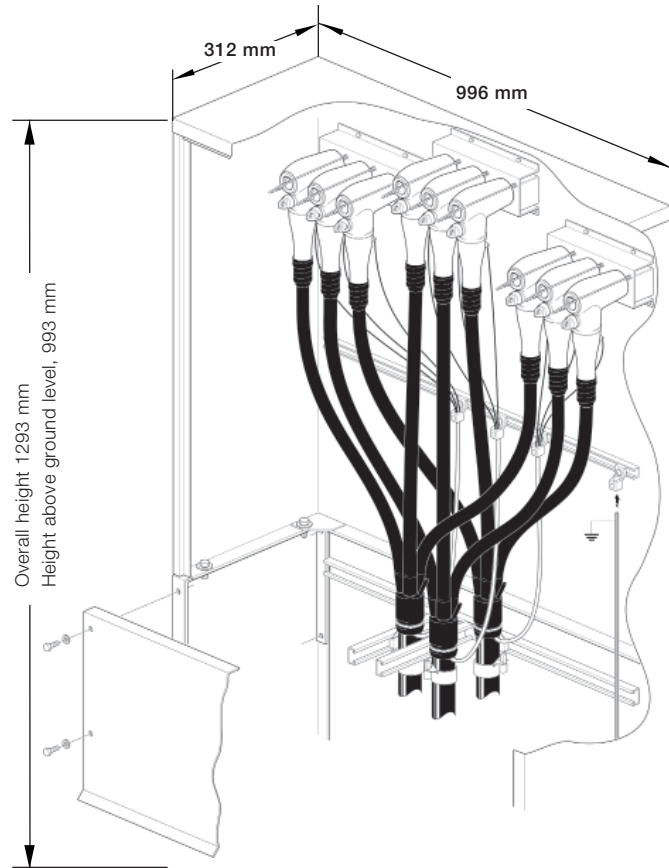
Basic configuration

ID number: 2GPJ 63301171
Voltage level: 24 kV
Rated current: 250 A
Cable size: 25–95 mm²

The cabinet is supplied with 9 cable connectors.

Optional

The cabinet is supplemented depending on the cable type used, the number of cables to be connected or whether cables need to be sectionalized. Available accessories are shown on page 7, 14 and 15.



HDC-A 24250 is available in the following variants

Conductor cross section in basic configuration mm ²	Variant	ID No.	Accessories See page
25–95*	HDC-A 24250	2GPJ 63301171	7

* For cables smaller than 25 mm², contact us.

Following components are included in HDC-A 24250*

Produkt	Product designation	Application area/content	Quantity
Enclosure	HDC-A 250	312 mm depth, installed with coupling pieces, earth bar and labels, SE or triangular lock in door	1
Foot package**	MARK-S 73	280 mm depth, incl. 2 protection plates with anchor bar, 2 base supports	1
Transversal anchor bar	KA 250	Cable restraint	2
Cable clamp	UKRA 90	Attachment of cable to anchor bar	9
Screened separable cable connector with voltage indication capability	CSE-A 24250	Screened separable cable connectors for branching, 3-phase kits	3 kits
Connector	AD 350	Connection of cable screen	3
Connector	AD 70	Connection of earth wire	1
Key	NK 30 or NK 3	For lock	1
Installation instructions	–	For easy installation	1

* Accessories for HDC-A 24250 on the next page.

** For foot package for floor installation, contact us.

Accessories for cable cabinet HDC-A 24250

Accessories for installation of 3-core cables, screen separation kit (choose one alternative)

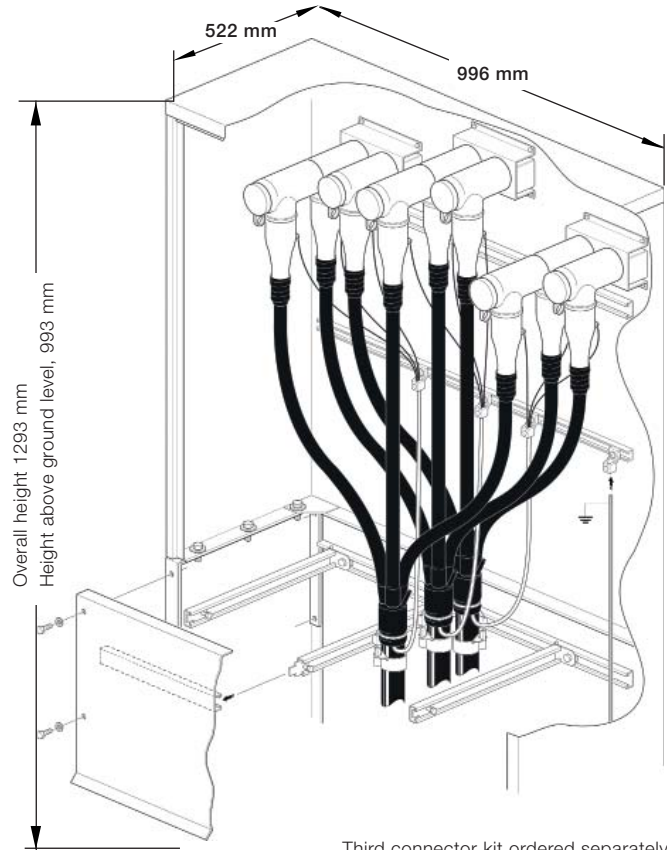
Screen separation kit	PSSK 1 L*	PSSK 2 L*
Type	Heat-shrink	
ID number	2GPJ 62341197	2GPJ 62341198
Length	2 m	2 m
Voltage	24 kV	24 kV
3 x 25 mm ²	X	
3 x 35 mm ²	X	
3 x 50 mm ²		X
3 x 70 mm ²		X
3 x 95 mm ²		X

* Reinforced configuration that permits underground branching. For cables with copper or aluminum wire screens.

Other accessories

Application area	Description	Product designation	ID number	Quantity
When connecting only two cables	Insulating hood	IH-A 24250	2GPJ 62341150	3 per kit
When earthing disconnected connector	Insulating hood	IH-A 24250	2GPJ 62341150	3 per kit
	Earthing kit	JP 250 HDC	2GPJ 52340474	3 per kit
When measuring, e.g., phase marking	Measurement adapter	MA 250	2GPJ 52340475	1
When energizing disconnected connector	Insulating hood	IH-A 24250	2GPJ 62341150	3 per kit
	Insulating plug	IP 250	2GPJ 62341181	1

Kabeldon cable cabinet, 12 kV, 630 A HDC-A 12630



Third connector kit ordered separately.

Basic configuration

ID number: See below
 Voltage level: 12 kV
 Rated current: 630 A
 Cable size: 25–630 mm²

The cabinet is supplied with 6 cable connectors.

Optional

The cabinet is supplemented depending on the cable type used, the number of cables to be connected or whether cables need to be sectionalized. Available accessories are shown on pages 9, 14 and 15.

HDC-A 12630 is available in the following variants

Conductor cross section in basic configuration mm ²	Variant	ID number	Accessories See page
25–70	HDC-A 12630-01	2GPJ 63301175	9
95–300	HDC-A 12630-02	2GPJ 63301176	9
400–630	HDC-A 12630-03	2GPJ 63301177	9

The following components are included in HDC-A 12630*

Product	Product designation	Application area/content	Quantity
Enclosure	HDC-A 630	Depth 522 mm, installed with coupling piece, earth bar and lables, SE or triangular lock in door	1
Foot package**	MARK HDC-A	Depth 430 mm, incl 2 protection plates with anchor bar, 2 base supports	1
Transversal anchor bar	KA 630	Cable restraint	3
Cable clamp	UKRA 90	Attachment of cable to anchor bar	9
Connector	AD 350	Connection of cable screen	3
Connector	AD 70	Connection of earth wire	1
Screened separable cable connector with voltage indication capacity	CSE-A 12630	Screened separable cable connector for branching, 3-phase kit	2 kits
Key	NK 30 or NK 3	For lock	1
Installation instructions	–	For easy installation	1

* Accessories for HDC-A 12630 on the next page.

** For foot package for floor installation, contact us.

Accessories for cable cabinet HDC-A 12630

Accessories for branching of third and possibly fourth cable

Application area	Rated current	Conductor cross section	Voltage	Description	Product designation	ID number	Quantity per kit
	A	mm ²	kV				
When connecting cables	250	25–95	12	Screened separable cable connector	CSE-A 12250-02	2GPJ 62341213	3
				Parallel coupling piece	PC 630/250	2GPJ 52340480	3
When connecting cables	630	25–70	12	Screened separable cable connector	CSE-A 12630-01	2GPJ 62341227	3
				Parallel coupling piece	PC 630-3	2GPJ 52340517	3
When connecting cables	630	95–300	12	Screened separable cable connector	CSE-A 12630-02	2GPJ 62341228	3
				Parallel coupling piece	PC 630-3	2GPJ 52340517	3
When connecting cables	630	400–630	12	Screened separable cable connector	CSE-A 12630-03	2GPJ 62341229	3
				Parallel coupling piece	PC 630-3	2GPJ 52340517	3

Accessories for installation of 3-core cables, screen separation kit (choose one alternative)

Screen separation kit	PSSK 1 L*	PSSK 2 L*
Type	Heat-shrink	
ID number	2GPJ 62341197	2GPJ 62341198
Length	2 m	2 m
Voltage level	12 kV	12 kV
3 x 25 mm ²	X	
3 x 35 mm ²	X	
3 x 50 mm ²	X	
3 x 70 mm ²	X	
3 x 95 mm ²		X
3 x 120 mm ²		X
3 x 150 mm ²		X
3 x 185 mm ²		X
3 x 240 mm ²		X
3 x 300 mm ²		X

* Reinforced configuration that permits underground branching. For cables with copper or aluminium wire screen.

Other accessories

Application area	Description	Product designation	ID number	quantity
Temporarily earthing disconnected connector when work underway	Earthing device	JPB 630 HDC	2GPJ 52340495	3 per kit
	Tool for JPB 630 HDC	JPA V*	2GPJ 52340476	1
When testing voltage	Bushing for voltage testing	PG 630	2GPJ 52340414	1
When measuring, e.g., phase marking	Measurement adapter	MA-A 630	2GPJ 52340436	1
When energizing disconnected connector	Insulating hood	IH-A 24630	2GPJ 62341242	3 per kit
	Insulating plug	IP 630	2GPJ 52341108	1

* Fits operating socket JGS 18 from Ragnar Stålskog AB.

Kabeldon cable cabinet, 24 kV, 630 A HDC-A 24630

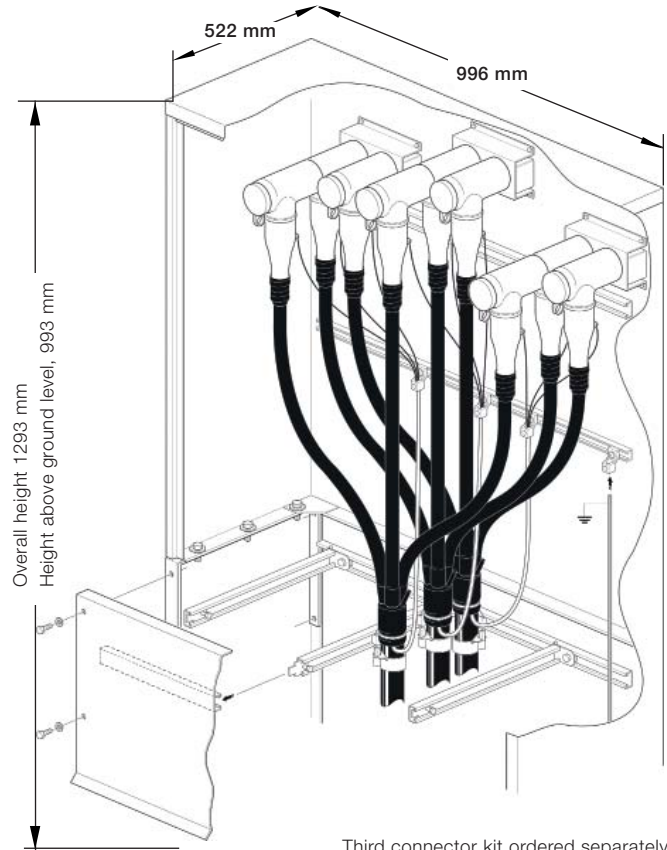
Basic configuration

ID number: See below
 Voltage level: 24 kV
 Rated current: 630 A
 Cable size: 25–630 mm²

The cabinet is supplied with 6 cable connectors.

Optional

The cabinet is supplemented depending on the cable type used, the number of cables to be connected or whether cables need to be sectionalized. Available accessories are shown on pages 11, 14 and 15.



Third connector kit ordered separately.

HDC-A 24630 is available in the following variants

Conductor cross section in basic configuration mm ²	Variant	ID number	Accessories See page
25–70	HDC-A 24630-1	2GPJ 63301180	11
95–300	HDC-A 24630-2	2GPJ 63301181	11
400–630	HDC-A 24630-3	2GPJ 63301182	11

Following components are included in HDC-A 24630*

Product	Product designation	Application area/content	Quantity
Enclosure	HDC-A 630	522 mm depth, installed with coupling pieces, earth bar and labels, SE or triangular lock in door	1
Foot package**	MARK HDC-A	430 mm depth, incl. 2 protection plates with anchor bar, 2 base supports	1
Transversal anchor bar	KA 630	Cable restraint	3
Cable clamp	UKRA 90	Attachment of cable to anchor bar	9
Connector	AD 350	Connection of cable screen	3
Connector	AD 70	Connection of ground wire	1
Screened separable cable connector with voltage indication capability	CSE-A 24630	Screened separable cable connectors for branching, 3-phase kits	2 kits
Key	NK 30 or NK 3	For lock	1
Installation instructions	–	For easy installation	1

* Accessories for HDC-A 24630 on the next page.

** For foot package for floor installation, contact us.

Accessories for cable cabinet HDC-A 24630

Accessories for branching of third and possibly fourth cable

Application area	Rated current	Conductor cross section	Voltage	Description	Product designation	ID number	Quantity per kit
	A	mm ²	kV				
When connecting cables	250	25–95	24	Screened separable cable connector	CSE-A 24250-02	2GPJ 62341215	3
				Parallel coupling piece	PC 630/250	2GPJ 52340480	3
When connecting cables	630	25–70	24	Screened separable cable connector	CSE-A 24630-01	2GPJ 62341230	3
				Parallel coupling piece	PC 630-3	2GPJ 52340517	3
When connecting cables	630	95–300	24	Screened separable cable connector	CSE-A 24630-02	2GPJ 62341231	3
				Parallel coupling piece	PC 630-3	2GPJ 52340517	3
When connecting cables	630	400–630	24	Screened separable cable connector	CSE-A 24630-03	2GPJ 62341232	3
				Parallel coupling piece	PC 630-3	2GPJ 52340517	3

Accessories for installation of 3-core cables, screen separation kit (choose one alternative)

Screen separation kit	PSSK 1 L*	PSSK 2 L*
Type	Heat-shrink	
ID number	2GPJ 62341197	2GPJ 62341198
Length	2 m	2 m
Voltage level	24 kV	24 kV
3 x 25 mm ²	X	
3 x 35 mm ²	X	
3 x 50 mm ²		X
3 x 70 mm ²		X
3 x 95 mm ²		X
3 x 120 mm ²		X
3 x 150 mm ²		X
3 x 185 mm ²		X
3 x 240 mm ²		X
3 x 300 mm ²		X

* Reinforced configuration that permits underground branching. For cables with copper or aluminum wire screens.

Other accessories

Application area	Description	Product designation	ID number	Quantity
Temporarily earthing disconnected cable connector when work underway	Earthing device	JPB 630 HDC	2GPJ 52340495	3 per kit
	Tool for JPB 630 HDC	JPA V*	2GPJ 52340476	1
When testing voltage	Bushing for voltage testing	PG 630	2GPJ 52340414	1
When measuring, e.g. phase marking	Measurement adapter	MA-A 630	2GPJ 52340436	1
When energizing disconnected cable connector	Insulating hood	IH-A 24630	2GPJ 62341242	3 per kit
	Insulating plug	IP 630	2GPJ 62341108	3

* Fits operating socket JGS 18 from Ragnar Stålskog AB.

Kabeldon cable cabinet, 36 kV, 630 A HDC-A 36630

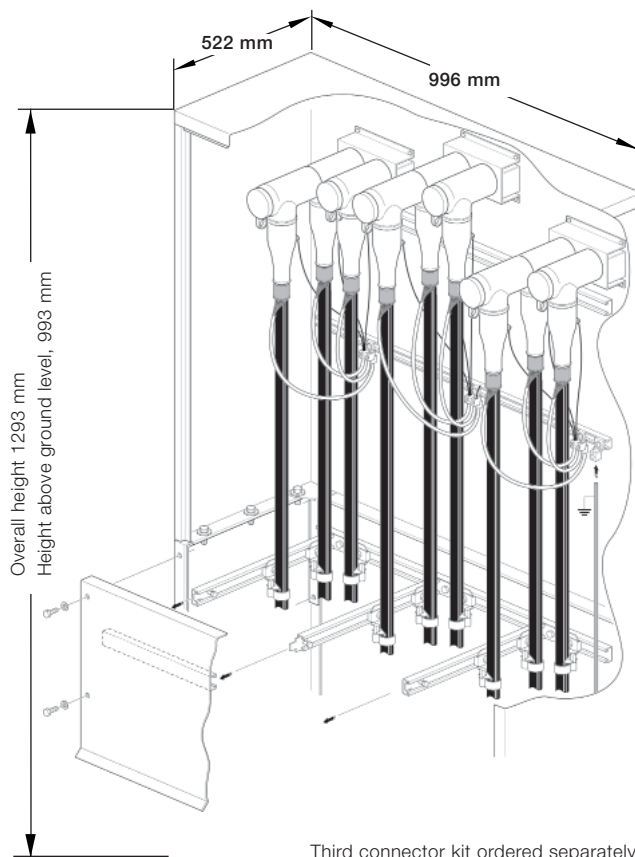
Basic configuration

ID number: See below
Voltage level: 36 kV
Rated current: 630 A
Cable size: 50–630 mm²

The cabinet is supplied with six cable connectors.

Optional

The cabinet is supplemented depending on the cable type used, the number of cables to be connected or whether cables need to be sectionalized. Available accessories are shown on pages 13, 14 and 15.



HDC-A 36630 is available in following variants

Conductor cross section in basic configuration mm ²	Variant	ID number	Accessories see page
50–70	HDC-A 36630-01	2GPJ 63301185	13
95–300	HDC-A 36630-02	2GPJ 63301186	13
400–630	HDC-A 36630-03	2GPJ 63301187	13

The following components are included in HDC-A 36630*

Product	Product designation	Application area /content	Quantity
Enclosure	HDC-A 630	522 mm depth, installed with coupling pieces, earth bar and labels, SE or triangular lock in door	1
Foot package**	MARK HDC-A	430 mm depth, incl. 2 protection plates with anchor bar, 2 base supports	1
Transversal anchor bar	KA 630	Cable restraint	3
Cable clamp	UKRA 90	Attachment of cable to anchor bar	9
Connector	AD 350	Connection of cable screen	3
Connector	AD 70	Connection of ground wire	1
Screened separable cable connector with voltage indication capability	CSE-A 36630	Screened separable cable connectors for branching, 3-phase kits	2 kits
Key	NK 30 or NK 3	For lock	1
Installation instructions	–	For easy installation	1

* Accessories for HDC-A36630 on the next page.

** For foot package for floor installation, contact us.

Accessories for cable cabinet HDC-A 36630

Accessories for branching of third and possibly fourth cable

Application area	Rated current	Conductor cross section	Voltage	Description	Product designation	ID number	Quantity per kit
	A	mm ²	kV				
When connecting cables	630	50–70	36	Screened separable cable connector	CSE-A 36630-01	2GPJ 63350287	3
				Parallel coupling piece	PC 630-3 L	2GPJ 52340480	3
When connecting cables	630	95–300	36	Screened separable cable connector	CSE-A 36630-02	2GPJ 63350288	3
				Parallel coupling piece	PC 630-3 L	2GPJ 52340480	3
When connecting cables	630	400–630	36	Screened separable cable connector	CSE-A 36630-03	2GPJ 63350289	3
				Parallel coupling piece	PC 630-3 L	2GPJ 52340480	3

Accessories for installation of 3-core cables, screen separation kit (choose one alternative)

Screen separation kit	PSSK 2 L*
Type	Heat-shrink
ID number	2GPJ 62341198
Length	2 m
3 x 50 mm ²	X
3 x 70 mm ²	X
3 x 95 mm ²	X
3 x 120 mm ²	X
3 x 150 mm ²	X
3 x 185 mm ²	X
3 x 240 mm ²	X
3 x 240 mm ²	X
3 x 300 mm ²	X

* Reinforced configuration that permits underground branching. For cables with copper or aluminium wire screen.

Other accessories

Application area	Description	Product designation	ID number	Quantity
Temporarily earthing disconnected cable connector when work underway	Earthing device	JPB 630 HDC	2GPJ 52340495	3 per kit
	Tool for JPB 630 HDC	JPA V*	2GPJ 5234076	1
When testing voltage	Bushing for voltage testing	PG-A 630	2GPJ 52340522	1
When measuring, e.g., phase marking	Measurement adapter	MA-A 630	2GPJ 52340436	1
When energizing disconnected connector	Insulating hood	IH-A 42630	2GPJ 62341244	3 per kit
	Insulating plug	IP 630	2GPJ 62341108	3

* Fits operating socket JGS 18 from Ragnar Stålskog AB.

Accessories and optional equipment

Picture	Description	Product designation	ID No.	Quantity
	Parallel coupling piece	PC 630/250	2GPJ 52340480	3 per kit including installation tool
	Parallel coupling piece, 12–24 kV	PC 630-3	2GPJ 52340517	3 per kit including installation tool
	Parallel coupling piece, 36 kV	PC 630-3 L	2GPJ 52340518	3 per kit including installation tool
	Screened insulating plug, 250 A	IP 250	2GPJ 62340081	1 per kit
	Screened insulating plug, 630 A	IP 630	2GPJ 62341108	1 per kit
	Measurement adapter, 250 A	MA 250	2GPJ 52340475	1 per kit
	Measurement adapter, 630 A	MA-A 630	2GPJ 52340436	3 per kit
	Screened separable connector 12–24 kV, 250 A	CSE-A 12250-02 CSE-A 24250-02	2GPJ 62341213 2GPJ 62341215	3 per kit
	Screened separable connector 12–24 kV, 630 A	CSE-A 12630-01 CSE-A 12630-02 CSE-A 12630-03 CSE-A 24630-01 CSE-A 24630-02 CSE-A 24630-03	2GPJ 62341227 2GPJ 62341228 2GPJ 62341229 2GPJ 62341230 2GPJ 62341231 2GPJ 62341232	3 per kit
	Screened separable connector 36 kV, 630 A	CSE-A 36630-01 CSE-A 36630-02 CSE-A 36630-03	2GPJ 62350287 2GPJ 62350288 2GPJ 62350289	3 per kit

Accessories and optional equipment

Picture	Description	Product designation	ID No.	Quantity
	Insulating hood, 12–24 kV, 250 A	IH-A 24250	2GPJ 62341150	3 per kit
	Insulating hood, 12–24 kV, 630 A	IH-A 24630	2GPJ 62341242	3 per kit
	Insulating hood, 36 kV, 630 A	IH-A 42630	2GPJ 62341244	3 per kit
	Earthing device, 630 A	JPB 630 HDC	2GPJ 52340495	3 per kit Supplied in case
	Earthing device, 250 A	JP 250 HDC	2GPJ 52340474	3 per kit Supplied in case
	Tool for earthing device JPB 630 HDC	JPA V	2GPJ 52340476	1 per kit
	Screen separation kit, heat-shrink for 3-core cable with Cu-wire screen	PSSK 1 L PSSK 2 L	2GPJ 62341197 2GPJ 62341198	1 per kit
	Bushing for voltage testing, 12–24 kV	PG 630	2GPJ 52340414	1 per kit
	Bushing for voltage testing, 36 kV	PG-A 630	2GPJ 52340522	1 per kit

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