

Kabeldon cable distribution cabinet, 12-24 kV

e-version



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
WWW.THORNEANDDERRICK.CO.UK

Product guideline



Kabeldon cable distribution cabinet, 12-24 kV, HDC 250

Use:

For jointing or branching XLPE-insulated 1- or 3-core cables 12-24 kV with conductor cross section 10-95 mm², 250 A. Up to 3 cables can be connected in parallel.

The enclosures meet the requirements of the mechanical impact tests according to:
IEC 60439-5

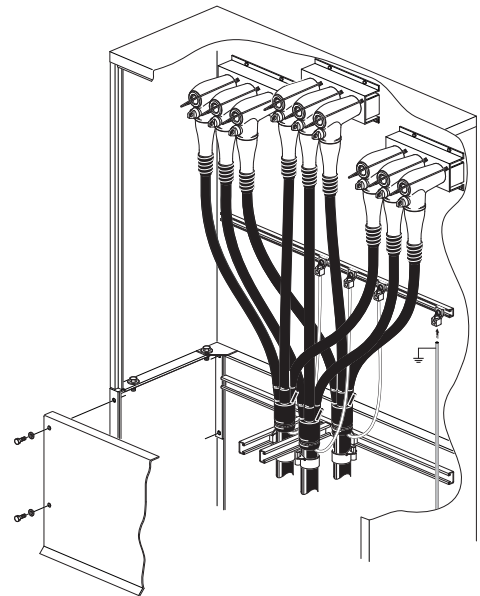
Cable accessories meet the requirements of the electrical tests according to:
CENELEC: HD 628.1 S1 and HD 629.1 S1

Design:

The enclosure is made of hot-dip-galvanized sheet steel with additional corrosion protection on parts which will be buried underground.

The cable connections are touch-proof and are connected together by a coupling piece which is mounted in the cabinet. Connectors with capacitive test point for connecting **three** 3-phase applications are included. Any chosen cable can be disconnected for live sectioning or earthed.

The enclosure is supplied with locks and padlock shackles.



Note: For 3-core cables, a screen separation kit must be used! It must be ordered separately.

- Touch proof
- Possibility of capacitive voltage measurement
- Possibility of earthing
- Possibility of branching cables with different sizes
- Simple, safe and compact

The following components are included in HDC 250

Product	Designation	Use / Contents and dimensions	Quantity
Cable cabinet	SDC 073	Depth 312 mm, mounted with a contact piece, earth, busbar, 1 padlock shackles, labels and SE locks at the door	
Foundation	Mark S 73	Including 2 side plates 280 mm depth, 2 cover plates, 2 base supports	1
Transversal anchor bar	KA 250	Cable support	2
Cable clamp	UKRA 90	Fastening cable on anchor bar	3
Screened separable connector with capacitive test point	SOC 250 TP	3-phase kit	3 kits
Connectors (non-insulated)	AD 70	Connecting cable screen to earth wire	4
Key	NK 30	To operate the lock	1
Installation instructions	—	—	1

HDC 250 is to be used as below:

When you need to:	Quantity/kit
Connect three 25-95 mm ² cables at a branching	1 HDC 250

Supplementary accessories when you need to:	To be used
Connect only two cables	1 kit IH SOC 250 TP
Connect with 3-core cables	1 PSSK 1 / 1 PSSK 1 E* or 1 PSST 150 each cable
Connect with 1-core cables	1 UKRA 90 each cable
Connect with 10-16 mm ² cable	1 kit AK 250 each 3-core cable
Earth disconnected cable connector	1 kit JP 250-HDC + 1 kit IH SOC 250 TP
Measure (e.g. phase-marking)	1 MA 250
Energize disconnected cable connector	3 IP 250 + 1 kit IH SOC 250 TP

* Special screen separation for Ericsson's 3-core cable with Al-wire screen.

Kabeldon cable distribution cabinet, 12-24 kV, HDC 630

Use:

For jointing or branching XLPE-insulated 1- or 3-core cables 12-24 kV with conductor cross section 50-630 mm², 630 A. Up to 4 cables can be connected in parallel.

The enclosures meet the requirements of the mechanical impact tests according to:

IEC 60439-5

The cable accessories meet requirements of the electrical tests according to:

CENELEC: HD 628.1 S1 and HD 629.1 S1

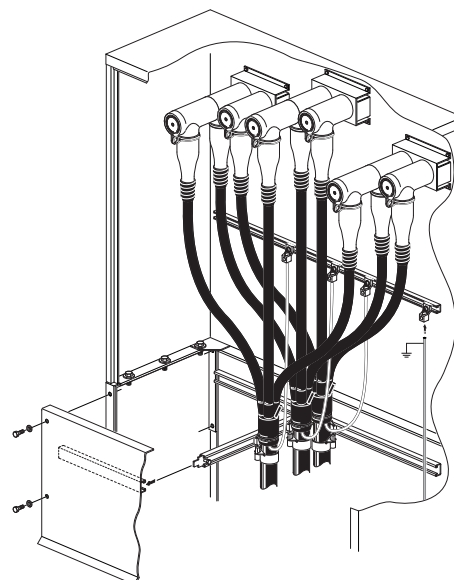
Design:

The enclosure is made of hot-dip-galvanized sheet steel with additional corrosion protection on parts which will be buried under ground.

The cable connections are touch-proof and are connected by a coupling piece which is mounted in the cabinet. Connectors with capacitive test point for connecting **two** 3-phase applications are included. Any chosen cable can be disconnected for live sectioning or earthed.

The enclosure is supplied with locks and padlock shackles.

The following components are included in HDC 630



Picture of cabinet equipped with an additional SOC 630 kit for branching.

Note: For 3-core cables, a screen separation kit must be used! It must be ordered separately.

- Touch proof
- Possibility of capacitive voltage measurement
- Possibility of earthing
- Possibility of branching cables with different sizes
- Simple, safe and compact

















Product	Designation	Use / Contents and dimensions	Quantity
Cable cabinet	SDC 073 spc	Depth 462 mm, mounted with a contact piece, earth, busbar, padlock shackles, labels and SE locks at the door	1
Foundation	MARK-HDC 73	Including 2 side plates 430 mm depth, 2 cover plates with anchor bar, 2 base supports	1
Transversal anchor bar	KA 630	Cable support	1
Cable clamp	UKRA 90	Fastening cable on anchor bar	3
Connectors (non-insulated)	AD 70	Connecting cable screen to earth wire	4
Screened separable connector with capacitive test point	SOC 630 TP	3-phase kit	2 kits
Key	NK 30	To operate the lock	1
Installation instructions	–	–	1

HDC 630 is to be used as below:


When you need to:	Conductor cross section mm ²		Quantity/kit
Connect two cables with branching possibility	50-120		1 HDC 630-1
	150-300		1 HDC 630-2

Supplementary accessories when you need to:	Conductor cross section mm ²		
Connect a third cable for 630 A	12 kV	24 kV	
	50-120	50-120	1 kit SOC 630-1 + 3 PC 630
	150-300	150-300	1 kit SOC 630-2 + 3 PC 630
	400	400	1 kit SOC 630-3 TP + 3 PC 630
	500	500	1 kit SOC 630-4 TP + 3 PC 630
Connect a third and a fourth cable for 250 A	630	630	1 kit SOC 630-5 TP + 3 PC 630
	25-95	25-95	1 kit SOC 250 TP + 1 kit PC 630/250
Connect with 3-core cables	≤ 70	25-35	1 PSSK/1 PSSK 1 E* (heat-shrink) each cable
	≤ 150	≤ 150	1 PSST 150 (tape) each cable
	95-300	50-300	1 PSSK 2/1 PSSK 2 E* (heat-shrink) each cable
	185 – 300	185 – 300	1 PSST 300 (tape) each cable
Connect with 1-core cables	–	–	2 KA 630 + 1 UKRA 90 each cable
Earth-for-work	–	–	1 kit JPA 630-HDC + 1 JPA V
Earth disconnected cable connector	–	–	1 kit JP 630-HDC
Measure (e.g. phase-marking)	–	–	1 MA 630
Energize disconnected cable connector	–	–	3 IP 630

* Special screen separation for Ericsson's 3-core cable with Al-wire screen.

 <p>PC 630/250 Parallel connector for connecting a cable with SOC 250 in parallel with a previously installed SOC 630.</p>	 <p>PC 630 Parallel connector for connecting a cable with SOC 630 in parallel with a previously installed SOC 630.</p>	 <p>IP 630 Screened insulating plug for installation in the connector so that the cable can be energized even when disconnected.</p>	 <p>IP 250 Screened insulating plug for installation in the connector so that the cable can be energized even when disconnected.</p>
 <p>SOC Screened separable connector.</p>	 <p>JP 630-HDC Earthing device for short-circuit protective earthing to be mounted to disconnected connector. 3 pieces in a case.</p>	 <p>JPA 630-HDC Earthing-for-work device. 3 pieces in a case.</p>	 <p>JP 250-HDC Earthing device for short-circuit protective earthing to be mounted on a disconnected connector. 3 pieces in a case.</p>
 <p>MA 630 Measurement adapter used for mega Ω measurement and to perform different measurements up to 5 kV DC, for determination of phases.</p>	 <p>MA 250 Measurement adapter used for mega Ω measurements and to perform different measurements up to 5 kV DC, for determination of phases.</p>	 <p>IH SOC 250 TP Insulating hood of flexible rubber with an outer conductive layer and a pre-installed insulating rod. To be mounted on the bushing in HDC 250 to insulate it when a cable is temporarily disconnected but other cables are energized.</p>	 <p>PSSK, PSSK E Screen separation kit for 3-core cable, heat shrink. PSSK: for cables with Cu-wire screen. PSSK E: for Ericsson cables with Al-wire screen. PSST Screen separation kit for 3-core cable, tape.</p>
 <p>AK 250 Adapter kit for SOC 250, allowing installation on smaller cables with conductor cross section 10-16 mm². The kit consists of three adapters and three inserts.</p>	 <p>KA 630 Transversal anchor bar.</p>	 <p>JPA V Tool for earthing-for-work device.</p>	 <p>UKRA 90 Universal clamp.</p>

Designation	Qty kit	Designation	Qty kit	Designation	Conductor cross section		Qty kit
					12 kV	24 kV	
					mm²		
HDC 250 with accessories							
AK 250	3	JP 250-HDC	3	SOC 250 TP	25-95	25-95	3
HDC 250	1	MA 250	1	PSSK 1	10-70	10-35	1
IP 250	1	UKRA 90	1	PSSK 1 E*	10-70	10-35	1
		IH SOC 250 TP	3	PSST 150	≤ 150	≤ 150	1
HDC 630 with accessories							
HDC 630-1	1	PC 630	1	SOC 630-1	50-120	50-120	3
HDC 630-2	1	PC 630/250	3	SOC 630-2	150-300	150-300	3
IP 630	1	KA 630	1	SOC 250 TP	25-95	25-95	3
JP 630-HDC	3	UKRA 90	1	SOC 630-3 TP	400	400	3
JPA 630-HDC	3	JPA V	1	SOC 630-4 TP	500	500	3
		MA 630	1	SOC 630-5 TP	630	630	3
				PSSK 1	10-70	10-35	1
				PSSK 1 E*	10-70	10-35	1
				PSSK 2	95-300	50-300	1
				PSSK 2 E*	95-300	50-300	1
				PSST 150	≤ 150	≤ 150	1
				PSST 300	185-300	185-300	1



* Special screen separation for Ericsson's 3-core cable with Al-wire screen.



**ABB AB
Kabeldon**

Box 531, SE-441 15 Alingsås, Sweden
Tel: +46 322 770 00, Fax: +46 322 770 01
www.abb.se/kabeldon



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