

APPLICATION

Separable straight connector designed to connect polymeric insulated cable to equipment (transformers, switch gear, motors...).

TECHNICAL CHARACTERISTICS

- The thick conductive EPDM jacket provides a total safe to touch screen which ensures safety for personnel.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

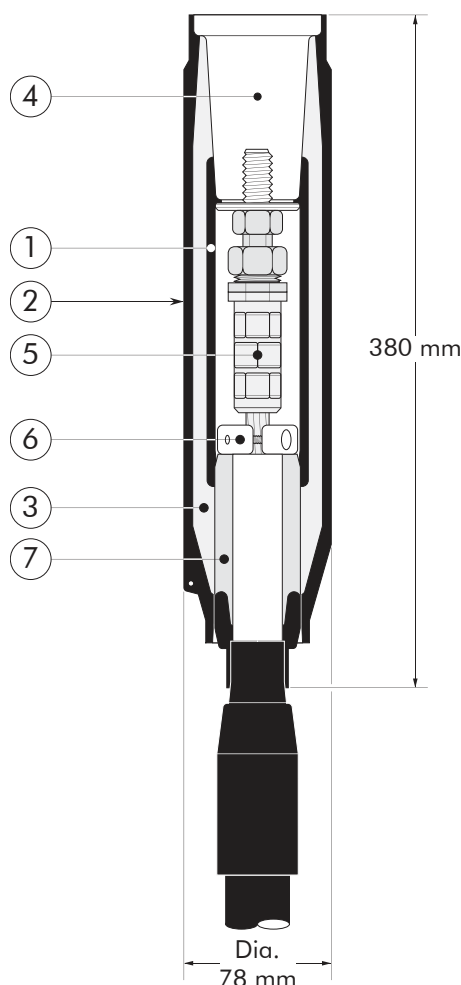
DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer moulded between the insert and the jacket.
4. Type C - 630 A interface as described by CENELEC EN 50180 and 50181.
5. Conductor connector assembly.
6. Retaining ring.
7. Cable reducer.

SPECIFICATIONS AND STANDARDS

The separable connector 450SR meets the requirements of CENELEC HD 629.1 S1.



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV
630 A

EUROMOLD®

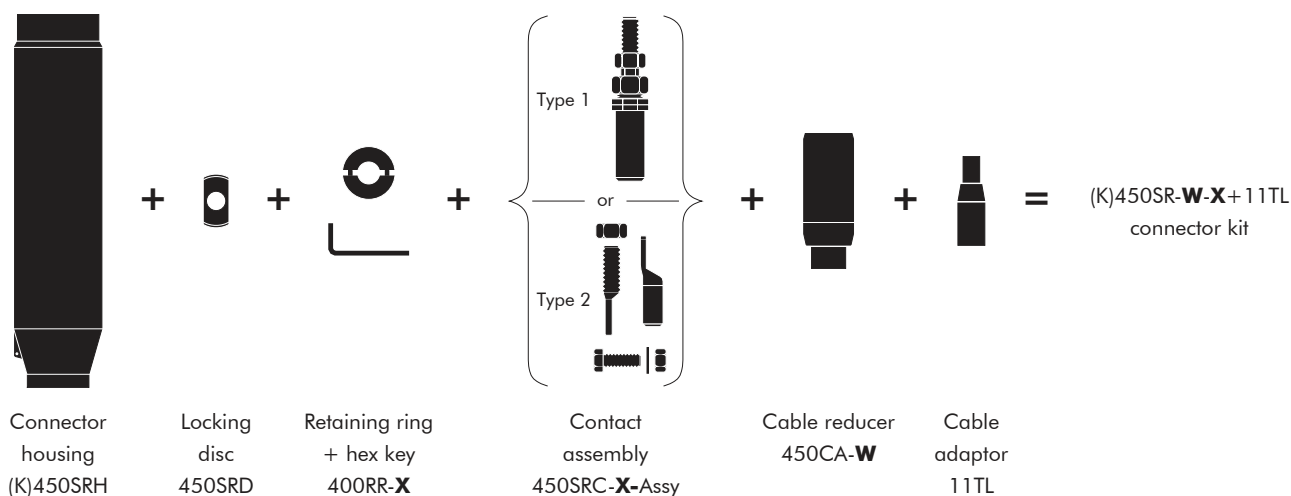
Separable connector type	Voltage Um (kV)	Current Ir (A)	Conductor size (mm ²)	
			min.	max.
450SR	12	630	50	300
K450SR	24	630	25	300

05/2017

KIT CONTENTS

The complete (K)450SR straight connector kit comprises the following components:

The kit also comprises lubricant, wipers, installation instructions and crimp chart.



ORDERING INSTRUCTIONS

To order the straight connector, select the ordering part number which gives you the best centring of your core insulation diameter and substitute **X** using table X, according to your conductor size and type.

Add a 'K' for use up to 24 kV.

TABLE W

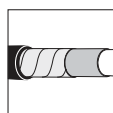
Ordering part number	Dia. over core insulation (mm)	
	min.	max.
450SR-06-X+11TL	16.5	21.5
450SR-08-X+11TL	19.9	24.4
450SR-10-X+11TL	23.2	28.0
450SR-12-X+11TL	26.1	31.0
450SR-14-X+11TL	30.0	36.1

TABLE X

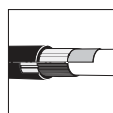
Conductor size (mm ²)	Conductor contact type (DIN standards only)			
	Type 1		Type 2	
	Aluminium	Copper	Aluminium	Copper
25	—	25KM-11-2	—	—
35	35KM-12-2	35KM-11-2	35KM-12-2-L	35KM-11-2-L
50	50KM-12-2	50KM-11-2	50KM-12-2-L	50KM-11-2-L
70	70KM-12-2	70KM-11-2	70KM-12-2-L	70KM-11-2-L
95	95KM-12-2	95KM-11-2	95KM-12-2-L	95KM-11-2-L
120	120KM-12-2	120KM-11-2	120KM-12-2-L	120KM-11-2-L
150	150KM-12-2	150KM-11-2	—	—
185	185KM-12-2	185KM-11-2	—	—
240	240KM-12-2	240KM-11-2	—	—
300	300KM-12-2	300KM-11-2	—	—

EXAMPLE:

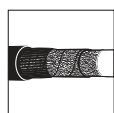
The copper wire screened cables are 24 kV, 240 mm² stranded aluminium with a diameter over core insulation of 32.2 mm. Order 3 x K450SR-14-240KM-12-2+11TL straight connector kit.



For use with copper tape screened cables. Order: Kit MT.



For use with AluPe or C 33-226 cables. Please contact our representative.



For use with fabric tape (graphite) screened cables. Order additional semi-conductive tape (type TSC).



For use with other cable types. Please contact our representative.



For outdoor applications. Order: +MWS.



Components can be ordered individually.



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