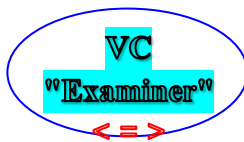


**Limited company
responsibility**



**" Examination center
" Examiner "**

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TIN 136836526587;
Certificate No. 100322417

TESTED PROTOCOL № TR2022-33/8

The test was conducted by.....:	Adjustment and testing engineer: Y.I. ROMANENKO
Checked.....:	Head of the laboratory: I.H. KOZHUSHKO
Approved by.....:	Director of Ispytatel LLC: S.V. Voytko
Date of protocol approval.....:	09.12.2022
Number of pages.....:	21 p . 2
Name of the testing laboratory: Address, telephone..... :	LLC "VC "Examiner" 08300, c. Boryspil, str. 17, Panasa Myrnoho, phone/fax (044) 457-69-22
Basis: Address.....:	Agreement No. 31-22 dated 10/24/2022 , Application Letter No. 2507-1 dated 07/25/2022 PE "PKF "Soznaniie" 08720, Ukraine, Kyiv region, Ukrainka, 20 Dniprovskiy Avenue, office 55
Standards: Non-standardized test methods.....:	Technical task 3599-001-01394461-04 -U22 Technical task 3599-00 2 -01394461-04 -U22 Technical task 3599-00 3 -01394461-04 -U22 Not held
The name of the test production...	Coupling JHP-10 CF3 (S) SOZNANIIE, series production of the company "RADPOL" SA (Poland). Coupling cable terminal internal installation THP-I-10- CF3(S) SOZNANIIE, serial production of company "RADPOL" SA (Poland). Coupling cable terminal external installation THP-N-10- CF3 (S) SOZNANIIE, serial production of company "RADPOL" SA (Poland).
Trade mark:	RADPOL SA (Poland)
Model and/or type:	JHP-10-CF3 150-240 (S) SOZNANIIE, which is a serial production sample of the company "RADPOL" SA (Poland). THP-I-10-CF3 150-240 (S) SOZNANIIE, which is a sample of serial production of the company "RADPOL" SA (Poland). THP-N-10-CF3 150-240 (S) SOZNANIIE, which is a sample of serial production of the company "RADPOL" SA (Poland).
Serial number(s) of the sample :	
Manufacturer.....: Product description.....:	RADPOL SA; St. Batorego 14, 77-300 Chluchów , Poland JHP-10-CF3 150-240 (S) SOZNANIIE - cable coupling for voltage up to 10 kV inclusive, equipped with 4 bolt sleeves, soldered, non- soldered or combined grounding system

	<p>THP-I-10-CF3 150-240 (S) SOZNANIIE - cable terminal coupling internal installation for voltage up to 10 kV inclusive , equipped with 2 bolt terminals, soldered, non- soldered or combined system grounding</p> <p>THP-N-10-CF3 150-240 (S) SOZNANIIE - cable terminal coupling outdoor installation for voltage up to 10 kV inclusive , equipped with 2 bolt terminals, soldered, non- soldered or combined grounding system.</p>
<p>Abbreviations used in the text of the protocol:</p> <p>requirement does not apply to the tested sample(s).....:</p> <p>Positive test result:</p> <p>Negative test result:</p>	<p>V/N</p> <p>P</p> <p>N</p>
<p>Selection of the sample</p> <p>.....:</p>	<p>Samples provided by the applicant, incl .</p> <p>Completing sheet (Passport) for a kit for the installation of one coupling shrinkable JHP-10-CF3(S) SOZNANIIE, serial production of the company "RADPOL" SA (Poland).</p> <p>Completing data sheet (Passport) for a set for the installation of one final coupling of the internal installation THP-I-10 CF3(S) SOZNANIIE, serial production of the company "RADPOL" SA (Poland).</p> <p>Completing sheet (Passport) for a set for the installation of one end coupling of the external installation THP-N-10 CF3(S) SOZNANIIE, serially produced by the company "RADPOL" SA (Poland).</p> <p>Technical drawings of the clutch assembly.</p>
<p>Sample identification</p>	
<p>Date of receiving the sample (ov</p> <p>).....:</p>	25.10.2022
<p>Test date(s):</p>	05.12.2022 - 06.12.2022
<p>Test venue</p>	08300, c. Boryspil, str. 17, Panasa Myrnoho
<p>Test methods</p>	<p>establishment of conformity of the characteristics of the samples with the requirements:</p> <p>Technical Specification 3599-001-01394461-04 -U22</p> <p>Technical Specification 3599-00 2 -01394461-04 -U22</p> <p>Technical Specification 3599-00 3 -01394461-04 -U22</p>
<p>Test conditions</p>	<p>The temperature is 24 °C;</p> <p>The relative humidity of the air is 76%.</p>
<p>Test results</p>	positive
<p>Test results for compliance with safety requirements.</p>	See those on page 9 of this protocol
<p>Test results for compliance with EMC requirements.</p>	
<p>Data on measurement errors</p>	See those given on p. 4 of this protocol

NOTE: The values of the test results refer only to the sample of the tested product .
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CONTENTS OF THE PROTOCOL

No. z/p	Name	Page
1.	Contents	3
2.	These errors	4
3.	Photo	5 -6
4.	Test equipment	7
5.	Test object	8
6.	The purpose of the tests	8
7.	Test program and methodology	8
8.	Selection of samples	8
9.	Identification of samples	8
10.	Technical characteristics and test parameters	9
11	Results of tests on compliance with requirements security	10
12.	Applications	
	Appendix 1. Test #1	11
	Appendix 2. Test #2	12
	Appendix 3. Completing sheet (Passport) for the installation kit of one JHP-10 CF3(S) SOZNANIIE heat- shrinkable connector coupling, serially produced by the company RADPOL SA (Poland).	13-14 _
	Appendix 4. Completing sheet (Passport) for the installation kit of one final coupling of the internal installation THP-I-10 CF3(S) SOZNANIIE, serial production of the company "RADPOL" SA (Poland).	15 -16
	Appendix 5. Complete list (Passport) for the installation kit of one end coupling of the external installation THP-N-10 CF3(S) SOZNANIIE, serial production of the company "RADPOL" S.A. _ (Poland).	17-18
	Appendix 6 Technical drawing of the clutch assembly JHP-10 CF3 150-240(S) SOZNANIIE	19
	Appendix 7 Technical drawing of the coupling assembly THP-I-10 CF3 150-240(S) SOZNANIIE.	20
Appendix 8 Technical drawing of the coupling assembly THP-N-10 CF3 150-240(S) SOZNANIIE	21	

Data on measurement errors

Measured values during tests	The maximum measurement error is within
Oil pressure	$\pm 2.5 \%$

Temperature	$\pm 2.0\%$
Atmospheric pressure	$\pm 20\%$

Coupling cable connecting JHP-10 CF3 (S) SOZNANIE



Cable end coupling of internal installation THP- I -10-CF3 (S) SOZNANIE



Coupling cable terminal external installation THP-N-10-CF3 (S) SOZNANIE .



AABl cable 3x240 10kV.



Test equipment and measurement tools

Name	Designation (type)	Factory/or inventory number	Range of measurements, price of division, error
1 Hygrometer	VIT-1	b/n	20 - 90% error $\pm 7\%$
2 Hygrometer	M-34	No. 2173	10 - 100%, $\pm 1.5\%$ rassh _ do not determine #1117- $t^{\circ} - 15^{\circ} \pm 0.29$ 20.0 $^{\circ} \pm 0.29$ 50.0 $^{\circ} \pm 0.27$ #1095- $t^{\circ} - 15^{\circ} \pm 0.32$ 20.0 ± 0.27 50.0 ± 0.27
3 stopwatch	STC-1	No. 5890183	0 - 999.999 s error ± 0.001 s
4 Manometer	MTP-100	#6643	0-600 kPa diameter : 100 mm; class Accuracy : 2.5.
5 Gas cylinder with argon		No. 95338	Capacity 40 l Pressure 200 atm
6 Argon flow regulator	AR 40-5	No. 2101	Input pressure 200 atm
7 Hydraulic station	HEE-1.7-10-380P	No. 322323	70 MPa

1. Test objects

Tests were carried out:

Couplings of cable connecting brands JHP-10-CF3 150-240 (S) SOZNANIIE , which are representative samples of couplings produced serially by the company RADPOL S. A . (Poland)-3 pcs.

Cable end couplings of internal installations THP-I-10-CF3 150-240 (S) SOZNANIIE, which are representative samples of couplings manufactured serially by RADPOL S. A (Poland)-3 pcs.

Cable end couplings of external installation THP-N-10-CF3 150-240 (S) SOZNANIIE, which are representative samples of couplings produced serially by RADPOL S. A . (Poland) - 3 pcs .

Description of preparation and installation of samples for testing.

Test samples **No. 1, No. 2, No. 3 , No. 4, No. 5, No. 6, No. 7, No. 8, No. 9** were mounted for testing.

Tested samples **No. 1 , No. 2, No. 3** consist of segments of three-core AABl cable 3x240-10 kV in length 1,5 m, on which tested connecting heat -shrinkable couplings of the JHP-10-CF3 150-240 (S) type are mounted by SOZNANIIE couplings produced serially by RADPOL SA (Poland).

Tested samples **No. 4, No. 5, No. 6** consist of sections of three-core AABl cable 3x240-10 kV long 1,2 m, on which tested cable terminal couplings of the internal installation type are mounted THP-I-10-CF3 150-240 (S) SOZNANIIE , which are representative samples of couplings produced serially by RADPOL SA (Poland).

Tested samples **No. 7, No. 8, No. 9** consist of sections of three-core AABl cable 3x240-10 kV in length 1,2 m, on which tested cable terminal couplings of the outdoor installation type are mounted THP- N -10-CF3 150-240 (S) SOZNANIIE , which are representative samples of couplings produced serially by RADPOL SA (Poland).

From the side of the cable, from which the oil is supplied, the paper seals of the wires are removed for the guaranteed one.

pressure supply inside the clutch.

Assembly of couplings was carried out by representatives of PE "PKF "Soznannie".

2. Purpose, program and methods of testing.

2.1. The purpose of the tests is to check the mechanical strength of cable couplings: connecting heat- shrink type JHP-10-CF3 150-240 (S) SOZNANIIE, which are representative samples of couplings produced in series by the company RADPOL SA (Poland05) according to the requirements of -01394461-04-U22; конечных internal installation type THP-I-10-CF3 150-240(S) SOZNANIIE, which are representatives- samples of couplings manufactured serially by the company RADPOL SA (Poland) according to the requirements of TZ 3599-002-01394461-04-Y22; final external installation type THP-N-10-CF3 150-240 (S) SOZNANIIE, which are representative samples of couplings manufactured serially by the company RADPOL SA (Poland) according to the requirements of TK 3599-003-01394461-04-U22.

2.2. Test program: the tests were carried out to meet the requirements of TK 3599-001-01394461-04-U22, TK 3599-002-01394461-04-U22, TK 3599-003-01394461-04-

2.3. Test method: the tests were carried out according to the methods specified in TK 3599-001-01394461-04-U22, TK 3599-002-01394461-04-U22, TK 3599-003-01394461-04-22

3. Sampling.

The procedure for the selection of samples provided for testing the conformity of production with the requirements of technical regulations is not provided for by the relevant normative documents. Samples for testing were selected by the customer.

4. Identification of samples.

The procedure for identification of samples provided for testing the conformity of production with the requirements of technical regulations is not provided for by the relevant normative documents. Identification of samples provided for testing was carried out by the customer.

5. Technical characteristics and test parameters.

JHP-10-CF3 150-240(S) SOZNANIIE - cable coupling for 3-wire cable with paper insulation with armor or without armor, for voltage up to 10 kV inclusive. Complete with 4-bolt connecting sleeves, soldered, non-soldered or combined grounding system.

THP-I-10-CF3 150-240 (S) SOZNANIIE - internal cable end coupling for 3-wire cable with paper insulation with or without armor, for a voltage up to 10 kV inclusive , equipped with 2 bolt terminals, soldered, non-soldered or combined grounding system.

THP-N-10-CF3 150-240(S) SOZNANIIE - a cable terminal coupling of the external installation on 3-wire cable with paper insulation with armor or without armor, for a voltage of up to 10 kV inclusive , equipped with 2 bolt terminals, soldered, non-soldered or combined grounding system.

Technical characteristics of the cable AABI 3x240 10kV, on which couplings are installed.

AABI cable is a paper- insulated aluminum three-wire conductor with a steel -aluminum protective cover and mylar tape.

Application of AABI 3x240 10kV.

AABI cable it is used for conducting electric lines in the open air, as well as in the ground with low and medium corrosion activity, it is used for stationary laying. Thanks to the steel -aluminum armoring, it is laid with a high probability of mechanical damage. Suitable for use in regions with cold and moderate weather conditions.

Construction AABI 3x240 10kV	
Conductive wire	Aluminum
Insulation	Oil impregnated
Screen	Electrical paper
Shell	Aluminum
Pillow	Bitumen, fasteners, mylar tape, PVC film
Armor	Two steel plates overlapping each other's seams
Outer shell	Glass yarn is a dense fibrous material
Scroll	Twisted isolated wires

Structure of AABI 3x240 10kV.

Single-conductor aluminum conductors are cross-sectional. Each core is insulated with a special paper made of sulfated unbleached cellulose impregnated with a viscous solution. Wires of cable paper are added to the core as a filler. An additional protective element is a paper screen. An electrically conductive screen is placed on top of the belt insulation. The inner protective cover is aluminum.

Aluminum armor is covered with a cushion to absorb mechanical impacts , including crushing Contains mylar tape protecting the **AABI brand cable** from the effects of corrosion . External armoring from two steel tapes, laid without gaps and covered with a layer of dense polymer composition.

Technical characteristics of AABI 3x240 10kV.

temperature of AABI fluctuates in the range from -50°C to +50°C

The permissible temperature of long-term heating of the core is no more than 60°C, in case of overload it is allowed up to 80°C.

Flexibility class - 1.

Outer diameter - 60 mm.

6. Results compliance tests _ requirements .

For samples cable couplings: JHP-10-CF3 150-240 (S) SOZNANIIE, which are representatives-samples of the couplings produced serially by RADPOL SA (Poland) according to the requirements of TK 3599-001-01394462-04- THP-I-10-CF3 150-240 (S) SOZNANIIE, which are representatives-samples of the couplings produced serially by RADPOL SA (Poland) according to the requirements of TS 3599-002-01394461-04-U22; THP-N-10-CF3 150-240 (S) SOZNANIIE, which are available representatives-samples of the couplings produced serially by RADPOL SA (Poland) according to the requirements of TK 3599-003-01394461-04-U22.

No n/p	Technical requirement	Test method	Test parameters	Conclusion on compliance of the samples with the requirements of regulatory documentation
1	TK 3599-001-01394461-04-U22	TK 3599-001-01394461-04-U22	Oil pressure test 588 kPa (6 kgf/ cm ²) within 60 min.	P
2	TK 3599-002-01394461-04-U22	TK 3599-002-01394461-04-U22	Oil pressure test 392 kPa (4 kgf/ cm ²) within 60 min.	P
3	TK 3599-003-01394461-04-U22	TK 3599-003-01394461-04-U22	Oil pressure test 392 kPa (4 kgf/ cm ²) within 60 min.	P

RESULTS

Based on the results of the tests, tested samples of cable couplings: connecting heat- shrink type JHP-10-CF3 150-240 (S) **SOZNANIIE** are presented, which are representative samples of couplings produced serially by the company RADPOL SA (Poland) - meet the requirements **-001-01394461- 04-U22** ; THP-I-10-CF3 150-240(S) SOZNANIIE internal end units, which are representative examples of couplings manufactured serially by RADPOL SA (Poland) - meet the requirements of T3 **3599-002-01394461-04U2** THP external end units -N-10-CF3 150-240(S) SOZNANIIE, which are representative samples of couplings manufactured serially by the company RADPOL SA (Poland) - meet the requirements of **TK 3599-003-01394461-04U2** .

Laboratory engineer: Yu.I. ROMANENKO

The head of the laboratory: I.G. KOZUSHKO

Test #1

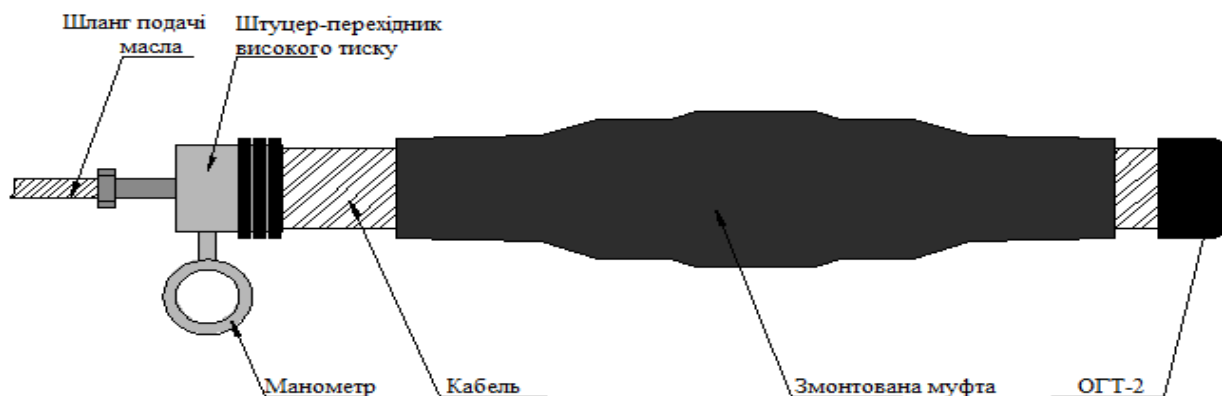
Oil pressure test of 588 kPa SOZNANIIE JHP -10-CF3 150-240 (S) heat- shrink cable connector couplings, which are representative samples of couplings manufactured serially by RADPOL SA (Poland) , we produce according to the requirements of **TZ 3599-004-22** .

Start date	05.12.2022
End date	05.12.2022
Relative air humidity	76%
The temperature is	24°C
Atmospheric pressure	980 mbar .
Oil pressure	580-610 kPa

Test description.

In the assembled samples **No. 1, No. 2, No. 3** , **transformer oil** was supplied to a section of the cable through a special fitting, as shown in Figure No. 1, under a pressure of at least 588 kPa (6 kgf/cm²) , and the coupling was sealed from the other end OGT -2 end cap to prevent oil leakage. Oil in the clutch was supplied with the help of a hydraulic station. The oil pressure did not decrease to 5.82 kgf/cm² and did not increase to 6.6 kgf/cm² within 60 minutes .

Figure #1.



Manometer reading at the end tests made up :

The name of the coupling	Sample No	Manometer readings
JHP-10-CF3 150-240(S) SOZNANIJE	1	6.1 kgf/ cm ²
JHP-10-CF3 150-240(S) SOZNANIJE	2	6.1 kgf/ cm ²
JHP-10-CF3 150-240(S) SOZNANIJE	3	6.0 kgf/ cm ²

Test result: Oil leakage did not occur on all samples, no clutch damage was detected.

Test #2

Oil pressure test of 392 kPa cable end couplings of internal installation THP-I-10-CF3 150-240 (S) SOZNANIIE, which are representative samples of couplings produced serially by the company RADPOL S. A (Poland) - we carry out in accordance with the requirements of **TZ 3599-002-0139 -U22** , and cable end couplings of the external installation THP-N-10-CF3 150-240 (S) SOZNANIIE, which are representative examples of couplings produced serially by the company RADPOL SA (Poland) - carried out in accordance with the requirements of **TK 3599-003-0 -04-U22** .

Start date	06.12.2022
End date	06.12.2022
Relative air humidity	76%
The temperature is	24°C
Atmospheric pressure	980 mbar .
Oil	pressure 390-420 kPa

Description of the test .

Transformer **oil** under **pressure** of no less than 392 kPa (4 kgf/cm²). Oil in the clutch was supplied with the help of a hydraulic station. The oil pressure did not decrease to 3.88 kgf/cm² and did not increase to 4.4 kgf/cm² within 60 minutes.

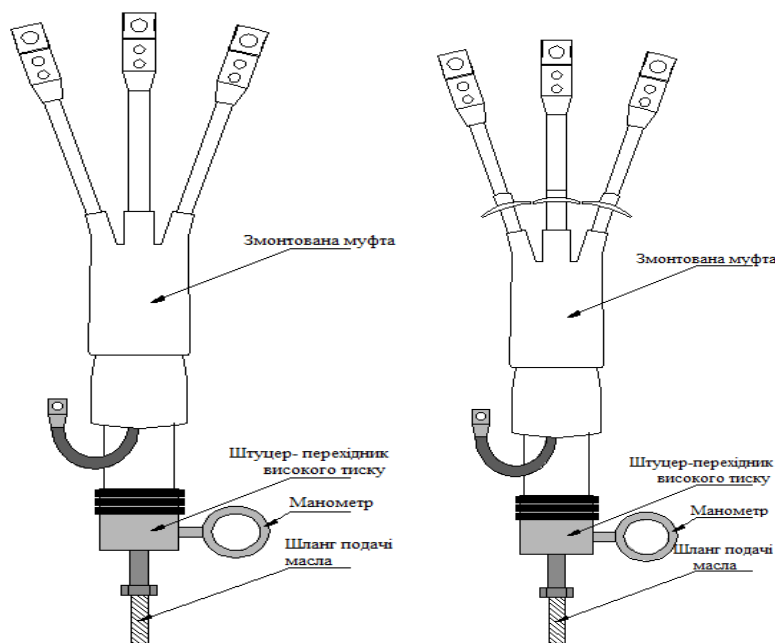


Figure #2. Figure #3.

Manometer reading at the end tests made up :

The name of the coupling	Sample No	Manometer readings
THP-I-10-CF3 150-240(S) SOZNANIIE	4	4.0 kgf/ cm ²
THP-I-10-CF3 150-240(S) SOZNANIIE	5	4.0 kgf/ cm ²
THP-I-10-CF3 150-240(S) SOZNANIIE	6	4.0 kgf/ cm ²
THP-N-10-CF3 150-240(S) SOZNANIIE	7	4.1 kgf/ cm ²
THP-N-10-CF3 150-240(S) SOZNANIIE	8	4.2 kgf/ cm ²
THP-N-10-CF3 150-240(S) SOZNANIIE	9	4.0 kgf/ cm ²

The result of the test : oil leakage did not occur on all samples, the couplings were not destroyed .

COLLECTING CERTIFICATE (PASSPORT)
per kit for the installation of one heat- shrinkable coupling
JHP -10- CF 3(S) SOZNANIE, serial production of the company " RADPOL " S.A.(Poland).

Naming of parts and assembly materials		Ed. change	JHP-10-CF3 16÷50(S) SOZNANIE	JHP-10-CF3 70÷120(S) SOZNANIE	JHP-10-CF3 150÷240 (S) SOZNANIE
1.	* The heat- shrinkable glove with an insulating adhesive layer. AK 3 25-120	piece	2	-	-
	AK 3 95-300	piece	-	2	2
2.	shrink tube No. 1 RDK for restoring the cable sheath				
	9 5/25x 800 ⁻⁵⁰ mm	piece	1	-	-
	95 /25x 800 ⁻⁵⁰ mm	piece	-	1	-
	10 5 / 32 x 900 ⁻⁵⁰ mm	piece	-	-	1
3.	Sleeve film 1200 x 200 MM	piece	1	1	1
4.	Shrink tube No. 2 RDK - outer protective casing				
	105/32 x 1200 ⁻⁵⁰ mm	piece	1	-	-
	1 05 / 32 x1 mm 200 ⁻⁵⁰ mm	piece	-	1	-
	140/ 34 x1 200 ⁻⁵⁰ mm	piece	-	-	1
5.	Tube heat- shrink oil-resistant No. 3 R PKH 1 for insulation of cable cores				
	22/6 x 400 mm	piece	6	-	-
	25/1 0 x 40 0 mm	piece	-	6	-
	40/16 x 40 0 mm _ _	piece	-	-	6
6.	Shrink sleeve No. 4 R P KH 1/RGK for isolating the contact connection				
	35/12 x 200 mm	piece	3	-	-
	40/16 x 200 mm	piece	-	3	-
	55/15 x 250 mm	piece	-	-	3
7.	Sealant for leveling the electric field (for sleeves) size 25 x 2 x 450 (3x450=1350) mm	piece	3	-	-
	25x2x450 (3x450= 1350) mm	piece	-	3	-
	25x2x600 (3x600= 1800) mm	piece	-	-	3
8.	Tinned copper earthing wire (Rękaw miedziany) RTc				
	Cross-section 16 mm ² length850 MM	piece	1	-	-
	section 16 mm ² length1200 MM	piece	-	1	-
	section 25 mm ² length1200 MM	piece	-	-	1
9 .	*Sleeves cable screw mm ²				
	16 - 50	piece	3	-	-
	70 - 120	piece	-	3	-
	150 - 240	piece	-	-	3
10 .	* Aluminum foil 0.2x50x8000 mm.	piece	1	-	-
	* Aluminum foil 0.2x50x10000 mm.	piece	-	1	1
11.	* Spring PPT No. 2 (Zacisk spruzynowy) S 2	piece	4	-	-
	* Spring PPT No. 3 (Zacisk spruzynowy) S 3	piece	-	4	-
	* Spring PPT No. 4 (Zacisk spruzynowy) S 4	piece	-	-	4
12.	*Contact plate (grater)	piece	4	4	4
thirteen.	* Prov and POS-30	kg	0.075	0.075	0.075
14.	* Prov and brand A	kg	0.05 _	0.05 _	0.05 _
15.	* Soldering fat 10 gr.	piece	1	1	1
16.	Wire Ø 1.0...1.4 OZ	m	3.75	5.0	5.0
17.	Interphase spacer with applied sealant (przekładkę PE (troykatną))				
	MV 30x1.5x200 mm	piece	1	-	-
	MV 3 5 x 1.5 x 250 mm	piece	-	1	1
18.	(chusteczki czyszczące)	piece	3	3	3
19.	Napkin with silicone oil (chusteczki silicone)	piece	2	2	2
20.	Linen threads (sznurek przewiązkowy)	m	3.0	3.0	3.0
21.	and) Mesh for filler bandage length 2000 x 50 mm .	piece	1	-	-
	b) Mesh for filler bandage length 3000 x 50 mm.	piece	-	1	-
	in) Mesh for filler bandage length 3500 x 50 mm.	piece	-	-	1

	d) Mesh for tape bandage - sealing of the grounding unit (armor and shell), length 200 x 100 mm	piece	2	-	-
	d) Mesh for tape bandage - grounding unit sealant (armor and sheath), length 300 x 100 mm.	piece	-	2	2
22.	a) filler of the root part (Masa sealer (gwiazda) 25x1.5x200 mm	piece	2	2	2
	b) thermosetting interphase filler (Mass sealer filling) 50x16x550 mm	piece	3	3	3
	in) sealant tape for sealing the grounding unit on the shell (on the armor) (Masa sealer (pancierz)) 50x1.5x250 mm	piece	2	-	-
	50x1.5x350 MM	piece	-	2	2
	d) tape - sealant under a glove (AK-3) (Massa zaczelajaca (palczatka) 40x1x100 mm	piece	2	-	-
	40x1x150 mm	piece	-	2	2
23.	Used gloves	time	1	1	1
24.	PVC tape _ _ _	piece	1	1	1
25.	Installation instructions	piece	1	1	1
26.	Cardboard box	piece	1	1	1
Note: *- delivered to order					

COLLECTING CERTIFICATE (PASSPORT)
per kit for the installation of one final coupling of the internal installation
THP-I-10 CF3(S) SOZNANIE, series production company "RADPOL" SA (Poland).

Naming of parts and assembly materials		Ed. change	Quantity per clutch		
			THP-I-10-CF3 16-50(S) SOZNANIE	THP-I-10-CF3 70-120(S) SOZNANIE	THP-I-10- CF3 150-240(S) SOZNANIE
1.	* Shrinkable glove with an insulating adhesive layer AK3 25-120	piece	1	-	-
	AK3 95-300	piece	-	1	-
	AK3 95-300	piece	-	-	1
2.	shrink tube oil-resistant No. 1 RC to isolate cable cores				
	19/9.5x800mm	piece	3	-	-
	25.4/12.7x800mm	piece	-	3	-
	38/19x800mm	piece	-	-	3
3.	Shrink tube No. 2 RPAT with an adhesive layer for insulating the cable cores				
	35/12x800mm	piece	3	-	-
	40/16x800mm	piece	-	3	-
4.	50/20x800mm	piece	-	-	3
	cuff with RPKH adhesive sublayer 1 for sealing the grounding unit.				
	50/20x200mm	piece	1	-	-
4.	63/19x200mm	piece	-	1	-
	80/35x200mm	piece	-	-	1
5.	Tinned copper grounding wire (Plecionka miedziana) length 800 mm				
	with a section of 16 mm ²	piece	1	1	-
	with a section of 25 mm ²	piece	-	-	1
6.	Tip on the grounding wire Ks (Końcówka cable)				
	16/8	piece	1	1	-
	25/8	piece	-	-	1
7.	* Solder POS - 30	kg	0.05	0.05	0.05
8.	*Solder brand A	kg	0.03	0.03	0.03
9.	Galvanized wire 1.2 mm	m	1.25	1.25	1.25
10.	*Soldering fat	piece	1	1	1
11.	*Contact plate (grater)	piece	2	2	2
12.	* Spring PPT S2 (Zacisk sprzynowy)	piece	2	-	-
	S3 (Zacisk springy)	piece	-	2	-
	S4 (Zacisk springy)	piece	-	-	2
thi	Alcohol napkin (Chusteczka czyszcząca)				
		piece	2	2	2
14.	Silicone napkin (Chusteczka silicone)	piece	1	1	1
15.	(Sznurek przewiązkowy)	m	1.5	1.5	1.5
16.	Filler of the root part (Masa szczelająca (MU gwiazda))				
	25/1.5x100mm	piece	1	-	-
	25/1.5x150mm	piece	-	1	-
	25/1.5x200mm	piece	-	-	1
17.	PVC tape	piece	1	1	1
18.	*Screw tip, mm ²				
	16-50	piece	3	-	-
	70-120	piece	-	3	-
	150-240	piece	-	-	3

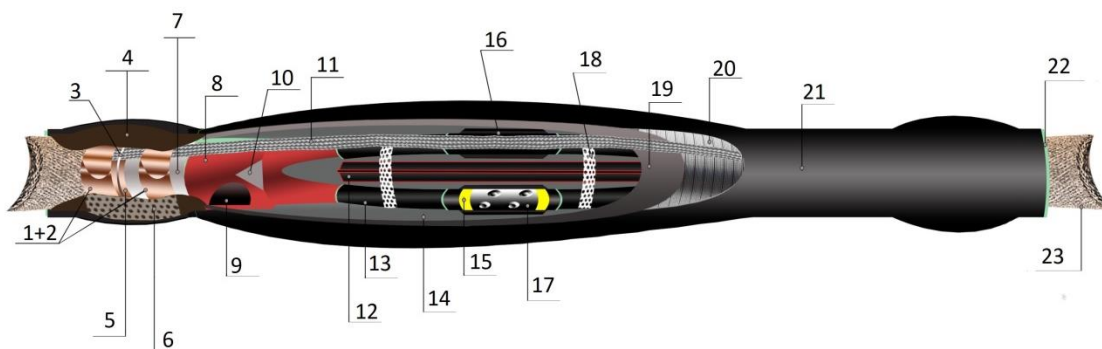
19.	Sealant tape for sealing the unit grounding on the shell (on the armor) (Mass pancierz _ _ _ 25x1.5x250 mm	piece	2	-	-
	25x1.5x350 mm	piece	-	2	2
20.	Sealant under the glove (Masa ca _ _ under palczatke) 40/1x100mm	piece	1	-	-
	40/1x150 mm	piece	-	1	1
21.	Tip sealant (Masa ca _ _ MU) _ 25/0.7x250 mm	piece	3	-	-
	25/0.7x350 mm	piece	-	3	-
	25/0.7x450 mm	piece	-	-	3
22.	Installation instructions	piece	1	1	1
23.	Used gloves	time	1	1	1
24.	Cardboard box	piece	1	1	1
Notes: * - delivered to order					

COLLECTING CERTIFICATE (PASSPORT)
per kit for mounting one end coupling of an external installation
THP-N-10 CF3(S) SOZNANIE, series production company "RADPOL" SA (Poland).

Name details and assembly materials	Ed. change	Quantity on one clutch		
		THP-N-10-CF3 16-50(S) SOZNANIE	THP-N-10-CF3 70-120(S) SOZNANIE	THP-N-10- CF3 150- 240(S) SOZNANIE
1. A glove shrinkable with glue sublayer what isolates AK3 25-120	piece	1	-	-
	piece	-	1	-
	piece	-	-	1
2. tube shrinkable oil resistant No 1 RC for isolated veins cable 19/9.5x800mm	piece	3	-	-
	piece	-	3	-
	piece	-	-	3
3. shrink tube No. 2 RPAT with glue sublayer 35/12x800mm	piece	3	-	-
	piece	-	3	-
	piece	-	-	3
4. Cuff bandaging with glue sublayer RPKH 1 50/20x200mm	piece	1	-	-
	piece	-	1	-
	piece	-	-	1
5. wire grounding copper tinned, (Plecionka miedziana) length 800 mm	piece	1	1	-
	piece	-	-	1
6. Tip on the grounding wire Ks (Końcówka cable) 16/8	piece	1	1	-
	piece	-	-	1
7. *Solder POS - 30	kg	0.05	0.05	0.05
8. *Solder brands AND	kg	0.03	0.03	0.03
9. wire galvanized 1.2 mm	m	1.25	1.25	1.25
10. *Fat solder	piece	1	1	1
11. *Contact plate (grater)	piece	2	2	2
12. *Spring PPT S2(Zazhik springy)	piece	2	-	-
	piece	-	2	-
	piece	-	-	2

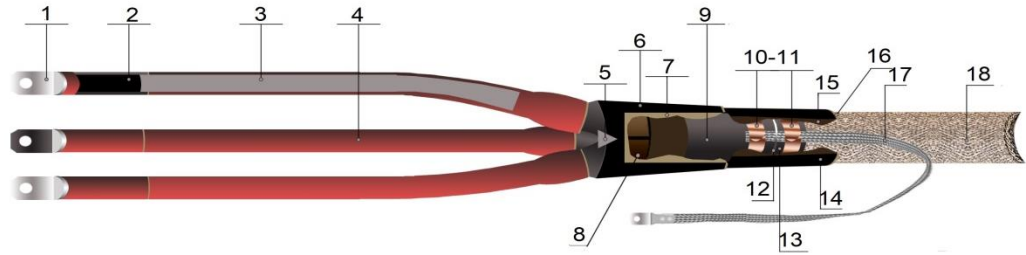
		e			
thirteen.	Napkin alcohol (Chusteczka czyszcząca)	piece	2	2	2
14.	Napkin silicone (Chusteczka silicone)	piece	1	1	1
15.	Threads linen (Sznurek przewiązkowy)	m	1.5	1.5	1.5
16.	Filler root parts (Masa sealer(MU gwiazda)	piece	1	-	-
	25/1.5x100mm	piece	-	1	-
	25/1.5x200mm	piece	-	-	1
17.	Ribbon PVC	piece	1	1	1
18.	Insulator (Klosz termokurczliwy) CES-1	piece	3	3	-
	CES-2	piece	-	-	3
19.	*Tip screw, m m ² 16-50	piece	3	-	-
	70-120	piece	-	3	-
	150-240	piece	-	-	3
20.	Sealant tape for sealing grounding node onshell (for armor) (Masa pancierz _ _ _	piece	2	-	-
	25x1.5x250 mm 25x1.5x 350 mm	piece	-	2	2
21.	Sealant under the glove (Masa sealer underpalczatke)	piece	1	-	-
	40/1x100mm 40/1x150 mm	piece	-	1	1
22.	Sealant on tip (Masa sealer MU) _	piece	3	-	-
	25/0.7x250 mm 25/0.7x350 mm	piece	-	3	-
	25/0.7x450 mm	piece	-	-	3
23.	Instruction with installation	piece	1	1	1
24.	Gloves b/p	time	1	1	1
25.	Cardboard box	piece	1	1	1
Notes: * - delivered by order					

Technical drawing of the clutch assembly JHP-10 CF3 150-240 (S) SOZNANIE



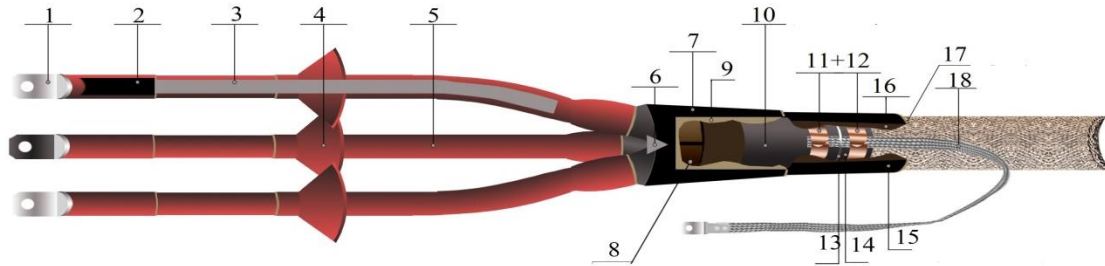
1. PPT spring (**Zacisk sprzynowy**). 2. Contact plate (grater). 3. Wire \varnothing 1.0...1,4 OZ. 4. Sealant tape for sealing the grounding unit on sheath (for armor) (**Masa uszczelniajaca(pancersz)**). 5. Cable armor. 6. Mesh for tape bandage - sealing of the grounding node (armor and shell) 7. Metal sheath of the cable. 8. Heat-shrinkable glove with **AK-3** adhesive underlayer. 9. Sealant tape under the glove (**AK-3**) (**Masa uszczelniajaca(palczatka)**) 10. Filler of the root part (**Masa uszczelniajaca(gwiazda)**). 11. Tinned copper earthing wire (**Rękaw miedziany**) **RTe**. 12. Interphase spacer with applied sealant (rghekiadke**RE(Igb)** kapa). 13. Heat-shrinkable, oil-resistant tube **№3 RPKH1** for insulating the cores of the cable. 14. Hot-melt interphase filler (**Masa uszczelniająca wypełnienie**). 15. Sealant for leveling the electric field (for sleeves) (**Mastik-masasterujący (złączka)**). 16. Heat-shrinkable sleeve **№4 RPKH 1/RGK** for insulating the contact connection. 17. Screw cable sleeves. 18. Grid for aggregate bandage. 19. Heat-shrink tube **№ 1 RDK** for restoring the cable sheath. 20. Aluminum foil. 21. Heat-shrink tube **№ 2 RDK** - external protective casing. 22. Glue-melt. 23. Cable.

Technical drawing of the clutch assembly THP-I-10 CF3 150-240(S) SOZNANIE. .



1. Screw tip. 2. Sealant for the tip (**Masa uszczelniająca MU koncowka**).
3. Heat-shrinkable oil-resistant tube № 1 **RC** for insulating cable cores.
4. Heat-shrink tube № 2 **RPAT** with an adhesive underlayer for insulating the cable cores.
5. Filler of the root part (**Masa szczecliająca (MU gwiazda)**).
6. Glove heat-shrinkable with an adhesive underlayer.
7. Sealant under the glove (**Masa uszczelniająca pod palczatke**).
8. Shield of electrically conductive paper.
9. Metal sheath of the cable.
10. PPT spring.
11. Contact plate (grater).
12. Galvanized wire.
13. Cable armor.
14. Bandage cuff with adhesive sublayer **RPKH 1** for sealing the grounding node
15. Sealant tape for sealing the grounding node on the shell (on armor) (**Masa uszczelniająca (pancerz)**).
16. Glue-melt.
17. Tinned copper earthing wire with a tip (**Plecionka miedziana**).
18. Cable.

Technical drawing of the clutch assembly THP-N-10 CF3 150-240(S) SOZNANIJE.



1. Screw tip. 2. Sealant for the tip (**Masa uszczelniająca MU koncowka**). 3. Heat-shrinkable oil-resistant tube № 1 **RC** for insulating cable cores. 4. Insulator (**Klosz termokurczliwy**). 5. Shrink tube No. № 2 **RPAT** with an adhesive layer. 6. Filler of the root part (**Masa szczecliająca (MU gwiazda)**). 7. Heat-shrinkable glove with an adhesive underlayer. 8. A screen made of conductive paper. 9. Sealant under the glove (**Masa uszczelniająca pod palczatke**). 10. Metal sheath of the cable. 11. PPT spring. 12. Contact plate (grater). 13. The wire is galvanized. 14. Cable armor. 15. Bandaging cuff with an adhesive sublayer **RRKN 1**. 16. Sealant tape for sealing the grounding node on the shell (on the armor) (**Masa uszczelniająca (pancerz)**). 17. Glue-melt. 18. Tinned copper earthing wire with a tip, (**Plecionka miedziana**).