



Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 1 of 29	

SPECIFICATION FOR L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR

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Match 2026

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit		
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR	
Issued date : 03/2026		
Page no. : Page 2 of 29		

Contents:

No.	Clause	Page No.
1.	Scope	3
2.	Threshold conditions	3
3.	Documents to be supplied with the proposal	3
4.	Manufacturing standards	4
5.	Technical requirements	5
6.	Tests	6
7.	Marking	6
8.	Packing	6
9.	Quality assurance	7
10.	Quality control	7
11.	Prototype approval	8
12.	Delivery approval conditions	9
13.	Appendix "A" – Summary of data	10
14.	Appendix "B" – Know how agreement	14
15.	Appendix "C" – Standard specification for quality control: Q-APP-02-PR Rev.5	15
16.	Appendix "D" – Hole for assembly the fuse switch disconnecter	22
17.	Appendix "E" – Statement of manufacturing experience	23
18.	Appendix "F" – Schedule up to prototype approval (after notification of award)	24
19.	APPENDIX "G" - Statement of obligation	25
20.	APPENDIX "H" - Statement of obligation – same product	26
21.	APPENDIX "I" - Statement of obligation – I.E.Corp. suppliers	27
22.	APPENDIX "J"- Revision History	28

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 3 of 29	

1. SCOPE

1.1. Scope of supply

The scope of supply consists of the manufacturing, testing, preserving, packing and supplying of low voltage fuse switch disconnectors – sizes "00", "2", "3".

I.E.C cat. No.	Description
5256836	160A NH-Fuse switch disconnecter size 00. 50 Hz, AC23 B/ 400 V, provided with clamps as incoming and as outgoing
555573	400A NH-Fuse size switch disconnecter 2. 50 Hz, AC23 B/ 400 V
555797	630A NH-Fuse switch disconnecter size 3. 50 Hz, AC23 B/ 400V

1.2. Uses

The fuse switch disconnectors are intended to be used in polyester cabinets for distribution and protection of cables and in metering cabinets.

1.3. Utilizations

- 1.3.1. In L.V underground networks.
- 1.3.2. In L.V distribution and protection boards
- 1.3.3. In L.V metering cabinets.

2. THRESHOLD CONDITIONS

Acc. to the attached documents of the procurement division.

3. DOCUMENTS AND SAMPLES FOR THE PROPOSAL

For the technical evaluation, the bidder shall submit to the Israel Electric Corp. together with his proposal the following documents:

- 3.1. Valid ISO 9001 certificate of L.V fuse switch disconnectors production as defined in threshold conditions.
- 3.2. Appendix A: Completed and filled in summary of data, signed by both the bidder and manufacturer.
- 3.3. Test reports for the proposed item as required in clause 6 of this specification. The test reports shall include all the tests required by the various standards and all data of the test results. The tests shall be performed by independent laboratories, authorized according to the International Standard ISO/IEC Guide 17025.
The type test shall be from the manufacturer or from the know-how supplier in case of know how agreement, see Appendix "B".
- 3.4. Description of the plastic materials used for the production of the products described in this specification.
- 3.5. Filled-in and signed Appendix "E" – "Statement of manufacturing experience" as required in the threshold conditions of the bid documents.
- 3.6. Appendix F: schedule for prototype approval, signed by the manufacturer.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 4 of 29	

- 3.7. Detailed drawings for each of the items offered. The drawings must be detailed to the fullest (including manufacturer's part number, standard of manufacturing, dimension, tolerance, material of each part, plating, marking etc.).
- 3.8. Assembly instructions or the mounting of the fuse switch disconnectors inside the cabinets for distribution and protection.
- 3.9. Appendix "G" "Statement of obligation" signed by the manufacturer and Bidder.
- 3.10. Appendix "I" "Statement of obligation- I.E.Corp. suppliers" signed by the Bidder.
- 3.11. One (1) sample shall be submitted for each offered item/catalog number included in the bid. If the bid includes more than one size or type (for example sizes 00, 2 and 3), a separate sample shall be submitted for each offered size/type. The sample must be acc. to the bid requirements. The sample shall be from the manufacturer's production line or from the know-how supplier (in the case of a know-how agreement). Supplying the sample and receiving it back for non-winning bidders shall be acc. to the bid documents.

REMARKS:

- ❖ Existing supplier (supplier who supplied the ordered item to the I.E.Corp. in the last five (5) years) is exempted from submitting the samples if the supplier will provide a filled-in and signed Appendix "H" Statement of obligation – same product.
- ❖ Bidders which will not submit all the above may be disqualified.
- ❖ "Similar" means the same fuse switch disconnector of the same offered size/type, but with different cable connections, constructed from the same materials and in the same technology.
- ❖ For avoidance of doubt, if the bid includes more than one item/catalog number, a separate sample shall be submitted for each offered item/catalog number.
- ❖ The above-mentioned documents shall be in English or Hebrew. All dimensions and quantities must be in M.K.S. (Meter, Kilogram, Second) measurement units.
- ❖ All the technical documentation shall be presented to I.E.Corp. in organized files/folders (a hard copy is not needed in case of electronic submission documents). The files need to be organized in 4 folders:
 1. Documents of the proposal.
 2. Summary of data.
 3. Test reports.
 4. Technical documents for each proposed item. Each proposed item shall be in a separate folder

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 5 of 29	

4. MANUFACTURING STANDARDS

The fuse switch disconnectors shall be designed, manufactured and tested according to the requirements of this specification, taking into consideration the recommendations and requirements of the latest editions of the following standards:

IEC 60269-1 – Low voltage fuses – General requirements.

IEC 60269-2 – Low voltage fuses – Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) – Examples of standardized systems of fuses A to J.

VDE 0636-2011 – Low voltage fuses – Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application).

IEC 60947-1 – Low-voltage switchgear and controlgear – General Rules.

IEC 60947-3 – Low-voltage switchgear and controlgear – Switches, disconnectors, switch-disconnectors and fuse-combination units.

REMARKS:

- ❖ Standards **IEC 60269-1**, **IEC 60269-2**, **VDE 0636-2011** and the Standards **IEC 60947-1**, **IEC 60947-3** are related for all types of fuse switch disconnectors.
- ❖ I.E.Corp. reserves the right not to evaluate and not to refer to fuse Switch-disconnectors not conforming to the standards and not tested in according to the above-in mentioned standards.
- ❖ If the present specification contains requirements which differ from those of the above-mentioned Standards, the requirements of this Specification shall take precedence.

5. TECHNICAL REQUIREMENTS

5.1. Cable connections: the fuse switch disconnector shall be provided with:

5.1.1. for size 00 – I.E.Corp. catalog 5256836

- outgoing and incoming cables: Clamps for rm/sm Cu/Al cables, cables of 10 mm² to 95mm² cross section rm and 25 mm² to 95mm² cross section sm.

5.1.2. for size 2

- For incoming cables: M12×35 or M12×30 bolt assembly, including a plain washer and a spring washer.
- If an M10×30 bolt assembly is offered, it shall include a spring washer for M10 bolt and a plain washer sized 10.5 × 24 × 2.5 mm, based on M10 bolt washer geometry per DIN 125A / ISO 7089, suitable for cable lugs with a 13 mm hole.
- Alternatively, the bidder may offer a captive washer arrangement for an M10×30 bolt, sized 10.5 × 24 × 2.5 mm. If a plain washer of a different size is offered, the bidder shall clearly specify this in the bid for compatibility review.

5.1.3. for size 3

Screws + washer + spring washer M12x35 or M12x30 suitable for installing 2 cable lugs 240 mm² AL on each phase.

5.1.4. The connectors shall be protected against accidental touch.

5.1.5. The fuse-switch disconnector shall be provided with insulated partitions between the phase connections. the partitions shall be part of the disconnector's base and should ensure proper height and separation between the phase connections. (the minimal height should be the same as the clamps with the cable connected)

REMARK:

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 6 of 29	

The I.E.Corp. reserves the right to consider acceptance of fuse-switch disconnectors which do not include a partition as specified in this clause.

5.1.6. Cable connection terminal's screws + spring washer must be installed in the ingoing's/outgoing's terminals (shall not be in separate package).

- 5.2.** The fuse switch disconnector shall be provided with arc quenching chambers. Items which were typed without arc chambers, pass the tests may be supplied without arc chamber acc. To I.E.Corp. previously approval.
- 5.3.** The fuse switch disconnector shall have an insulated removable fuse-bearing front panel.
- 5.4.** On the front panel of the fuse-switch disconnector shall be 6 holes 7 mm diameter, to enable fuse's electrical checking or similar arrangement, approved by I.E.Corp.
- 5.5.** The parts of the fuse-holder shall be fixed to the disconnector base with minimum two screws or equivalent.
- 5.6.** The fuse- holder shall be provided with insulated guides to prevent the fuse from being located in an indeterminate position or similar.
- 5.7.** Holes for the assembly to the mounting plate – see Appendix "D".
- 5.8.** The fuse holders shall be lightly greased.
- 5.9.** The fuse-switch disconnector shall be equipped with two protective covers for the fuse holders and two separate covers for the cable connections (covering the whole connection area) – the covers shall be from an insulated material and easy connected to the base – acc. to I.E.Corp. approval.
All the plastic parts shall be from a self-extinguish material.
The base shall be from a polyester material, suitable for this application.

6. TESTS

- 6.1.** Type test – Acc. To IEC 60269-2 and IEC 60947-3.
- 6.2. Routine test** – Acc. to IEC 60947-1.

7. MARKING

Each fuse switch shall have high quality, durable, lasting marking according to standard DIN and IEC 60947-3.

The following information shall be marked on each unit:

- Manufacturer's name or trademark
- P/N
- Size
- fuse-switch-disconnector symbol (see Table 1, IEC 60947-3)
- Production date
- Applicable rated values (U, I, Hz ...)
- Degree of protection (IP).
- Number of the relevant standard
- Q.C. stamp
- Utilization category.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 7 of 29	

The marking of the rated current and the rated voltage shall be discernible from the front when a fuse-link has not been fitted.

8. PACKING

- 8.1.** Each fuse switch disconnecter shall be packed into a polyethylene bag, made of adequate thickness (minimum 40 microns).
- 8.2.** Each fuse switch disconnecter shall be put inside a cardboard box. On the box shall be printed in large letters:
- Name of the manufacturer or logo
 - Country of origin
 - Name of item
 - I.E.C. item's catalogue no
 - Supplier part no
 - Quantity of pcs. per box
 - Date of manufacturing.
 - Gross weight of the box.
- 8.3.** The supplier must receive prior to start of production I.E.C. approval for packing and delivery of the items to I.E.Corp..
- 8.4.** Each I.E.Corp's catalog No, shall be packed in separate cardboard boxes.
- 8.5.** The cardboard boxes shall be supplied in a seaworthy cardboard or wooden box, shipped on EURO PALLET 1200x800x150 mm (DIN EN 13698-1) appropriate for forklifting and durable packed for shipping and transportation. The gross weight of each pallet should not exceed 1250 kg.
- 8.6.** Number of items in the cardboard box is given in the following table:

No.	<u>I.E.Corp.</u> P/N	Number of items per pallet
1	5256836	250
2	555573	60
3	555797	60

9. QUALITY ASSURANCE

The manufacturer Quality Assurance Program shall meet the requirements described in ISO standard 9001 and I.E.Corp. specifications.

10. QUALITY CONTROL

Quality control requirements will be according to **I.E.C.** standard **Q-APP-02-PR Rev. 5**, see Appendix "C".

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 8 of 29	

11. PROTOTYPE APPROVAL

11.1. Prototype approval for new suppliers.

New supplier – Supplier that didn't supply the ordered item to the I.E.Corp. in the last five (5) years prior to the last date of tender submission.

11.1.1. In a period of max three (4) months from notification of award, and before production all ordered items, the Contractor shall manufacture one unit of fuse switch disconnecter as a prototype for the Israel Electric Corp. approval.

11.1.2. For purposes of the Prototype approval, the manufacturer shall perform the complete type tests and special tests as required in paragraph 6 of this specification.

11.1.3. The contractor shall be responsible to conduct successfully all the necessary tests, and to deliver to the Israel Electric Corp. all the necessary required reports, in a manner, which will not interfere with or delay any of the time schedules, pertaining to any action or undertaking, required of the winning bidder, including, but not limited to delivery schedule. Such responsibility shall include proper and reasonable advance notifications to the Israel Electric Corp., prior to any action, required of it.

If type and special tests have already been conducted with reference to the identical equipment, and the Israel Electric Corp. approves the reports, pertaining to such tests, the Israel Electric Corp. shall have a right (but not a duty) to waive all or part of the required tests.

11.1.4. The contractor shall submit to the Israel Electric Corp. set of detailed drawings, materials specification for each component, Q.A. and Q.C. procedures, as required in this specification. The drawings shall show the overall outside dimensions, mounting dimensions, and gross weight. The Contractor shall also submit a list for all the relevant drawings for fabrication. These drawings shall be approved by the Israel Electric Corp. Each modification on the above drawings shall be approved by the Israel Electric Corp. All data and descriptive material in the above drawings shall be in English or Hebrew. All dimensions shall be stated in metric system.

11.1.5. The Israel Electric Corp. reserves the right to cancel the order for the supply of equipment if the prototype will not be approved by the Israel Electric Corp. In any case, the contractor shall not resume manufacture of the rest of the ordered equipment before receiving the Israel Electric Corporation's final approval of the prototype.

11.2. Prototype approval for existing suppliers:

Existing supplier – Supplier who supplied the ordered item to the I.E.Corp. in the last five (5) years prior to the last date of tender submission

11.2.1. Existing supplier may ask to be exempted from prototype approval if in the technical bid the supplier will provide to I.E.Corp, filled-in and signed Statement of obligation attached in Appendix "H".

11.2.2. I.E.Corp. will forward answer to the supplier during the technical stage of the tender.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 9 of 29	

12. DELIVERY APPROVAL CONDITIONS

The successful bidder (henceforth referred to as "the contractor") shall submit for I.E.Corp.approval:

- 12.1.** Detailed routine test report including results and C.O.C before each delivery. The certificate shall include in addition to the requirements of the relevant standard the following indications:
 - Date of manufacture of the examined instruments.
- 12.2.** In case of know how agreement, all the tests for the proposed item will be acc. to par. 6 and from the "know how" recipient.
- 12.3.** The Israel Electric Corp. reserves the right to verify the compliance of the delivered equipment with this specification. Any delivery which will not fulfill the requirements of this specification will be rejected.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 10 of 29	

APPENDIX "A" – SUMMARY OF DATA

Bidder's name: _____
 Bidder's phone no.: _____
 Bidder's fax: _____
 Bidder's E-mail: _____
 Manufacturer's name and address: _____
 Manufacturer's tel/fax: _____
 Manufacturer's E-mail: _____
 Manufacturing country: _____

(Insert all data in this column)

1. Documents:	
• Is ISO 9001 certificate attached? (yes/no)	
• Is Statement of manufacturing Experience signed (appendix E)? (yes/no)	
• Are know-how agreements attached? (appendix B) (yes/no)	
• Is schedule up to prototype approval signed? (appendix F) (Yes/no)	
• Is Statement of obligation attached? (appendix G) (yes/no)	
• Is " Statement of obligation- <u>I.E.Corp.</u> suppliers " signed (appendix I)? (yes/no)	
• Are the following documents attached: - Detailed drawings for each item (yes/no)? - Description of the plastic materials(yes/no)? - Assembly instructions (yes/no)?	
• Is " Statement of obligation – same product " (appendix H)? (yes/no)	
• Are test reports attached? (yes/no)	
• Are one sample of each item provided? (yes/no)	
2. Technical requirements for all types:	
• Is marking in accordingly to clause 7 in this specification? (Yes/no)	
• Is the fuse switch disconnecter have a removable fuse-bearing front panel? (Yes/No)	
• Are there 6 holes of 7mm on the front panel? (Yes/No)	

**Israel Electric Corporation Ltd.
Grid Engineering Division
Distribution Engineering Unit**

Edition no.:10

Issued date : 03/2026

Page no. : Page 11 of 29

**Specification NPS-207
L.V. THREE POLE NH FUSE SWITCH
DISCONNECTOR**

• Are the parts of the fuse switch holder fixed to the base with minimum two screws? (Yes/No)	
• Are the fuse switch disconnectors lightly greased? (Yes/No)	
• Is the fuse switch disconnectors equipped with two protective covers for the fuse holders? (Yes/No)	
• Are the covers from an insulated material and easy connected to the base? (Yes/No)	
• Is the fuse switch disconnectors equipped with two separate covers for cable connections? (Yes/No)	
• Is the fuse switch disconnectors provided with insulated partitions between the phase connections? (Yes/No)	
• Is the base shall be from a polyester material? (Yes/No)	
• Are the screw\washer installed in the ingoing's/outgoing's terminals? (Yes/No)	
• Are all the plastic parts made from self-extinguishing material? (Yes/No)	
3. Is the bidders offer 160A NH-Fuse size 00 , provided with clamps as incoming and as outgoing (yes/no) if so, fill in the following:	
• Manufacturer's part number	
• Rated operational current (A)	
• Rated operational voltage (V)	
• Rated frequency (Hz)	
• Impulse withstands voltage (kV)	
• Rated insulation voltage (V)	
• Rated making capacity (kA)	
• Rated breaking capacity (kA)	
• Are the cables clamps 10 mm ² to 95mm ² for rm and 25 mm ² to 95mm ² for sm? (yes/no)	
• Maximum permissible power loss of fitted fuse- link (W)	
• Are the dimensions the same as Appendix "D"? (yes/no)	
• Are disconnecting grade is AC-23B? (yes/no)	
• Degree of Protection (IP)?	
4. Is the bidder offer 400A NH-Fuse size 2? (yes/no) if so, fill in the following:	

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit		
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR	
Issued date : 03/2026		
Page no. : Page 12 of 29		

• Manufacturer's part number	
• Rated operational current (A)	
• Rated operational voltage (V)	
• Rated frequency (Hz)	
• Impulse withstands voltage (kV)	
• Rated insulation voltage (V)	
• Rated making capacity (kA)	
• Rated breaking capacity (kA)	
• Are the cable clamps for the outgoing terminals suitable for 50–240 mm ² conductors? (yes/no)	
• Are the incoming terminals supplied with M12×35 or M12×30 bolt assembly, including a plain washer and a spring washer? (yes/no)	
• If M10×30 bolt assembly is offered, does it include a spring washer for M10 bolt and a plain washer sized 10.5 × 24 × 2.5 mm, based on M10 bolt washer geometry per DIN 125A / ISO 7089, suitable for cable lugs with a 13 mm hole? (yes/no / N.A.)	
• Alternatively, if a captive washer arrangement for M10×30 is offered, is it sized 10.5 × 24 × 2.5 mm? (yes/no / N.A.)	
• If a different plain washer dimension is offered, is it clearly stated in the bid for compatibility review? (yes/no / N.A.)	
• Is the offered flat washer / captive washer for M10 based on the geometry of DIN 125A / ISO 7089? (yes/no)	
• If a different flat washer dimension is offered, is it clearly stated in the bid for compatibility check? (yes/no)	
• Maximum permissible power loss of fitted fuse- link (W)	
• Are the dimensions the same as Appendix "D"? (yes/no)	
• Is disconnecting grade is AC-23B? (yes/no)	
• Degree of Protection (IP)?	
5. Is the bidders offer 630A NH-Fuse size 3? (yes/no) if so, fill in the following:	
• Manufacturer's part number	
• Rated operational current (A)	
• Rated operational voltage (V)	
• Rated frequency (Hz)	

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 13 of 29	

• Impulse withstands voltage (kV)	
• Rated insulation voltage (V)	
• Rated making capacity (kA)	
• Rated breaking capacity (kA)	
• Are the screws for installing 2 cable lugs 240 mm ² AL on each phase M12x35 or M12x30? (yes/no)	
• Maximum permissible power loss of fitted fuse- link (W)	
• Are the dimensions the same as Appendix "D"? (yes/no)	
• Are disconnecting grade is AC-23B? (yes/no)	
• Degree of Protection (IP)?	

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 14 of 29	

APPENDIX "B" – REQUIREMENTS FOR KNOW-HOW AGREEMENT

- A. Where a "Know-how" agreement is required under the tender/inquiry documents, or under the specification, such "Know-how" agreement must include the following commitments, or substantially similar commitments, on part of the provider of the know-how:
1. To transfer to the know-how recipient, all the technical documents and drawings, necessary for the manufacturing, fabrication, testing, proper packing, operating and maintaining of the proposed equipment;
 2. To adequately instruct and provide technical support to the know recipient in the field of manufacture/fabrication, design, quality control, testing and repair of the proposed equipment;
 3. To conduct an inspection of the manufacturing line of the know-how recipient and to approve its adequacy to manufacture the proposed equipment up to the standards of the know-how provider;
 4. To participate in type tests of the proposed equipment (of the know how recipients manufacture) and to instruct/support the know-how recipient in undertaking corrective act/procedure, if required or approved by the I.E.Corp.;
 5. To provide technical support/instructions to the know-how recipient during the first two years following the start of manufacturing by the know-how recipient;
- B. The I.E.Corp. waives any and all claims it may have against the know-how provider, for any conduct, act or omission, on part of the know-how provider, or any of its employees, agents, or representatives, directly or indirectly related to the transfer of know-how, the know-how agreement, or any action, or omission thereunder.

This waiver of claims shall insure to the benefit of the know-how provider and to the benefit of any of its employees, agents or representatives.

Nothing said herein shall release the know-how recipient from any duties or commitments, undertaken by it, as part of its proposal to the I.E.Corp., or in connection with any failures or omissions to carry out such duties, or commitments.

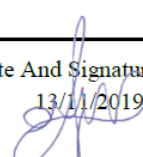
Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 15 of 29	

APPENDIX "C" – STANDARD SPECIFICATION FOR QUALITY CONTROL:

Q – APP – 02-PR Rev.5 (11/2019)

1. GENERAL

- 1.1 The quality requirements specified herein constitute an integral part of the Contract and should be implemented without any additional cost to the Purchaser or any change in the Contract schedule. These requirements are in addition to, and without derogation from other applicable provisions of the Contract, if any, including, without limitation, the general provisions of the General Conditions – Annexure "A", the specific requirements of Annexure "M" and the Specification requirements – Annexure "B".
- 1.2 The Contractor shall make all the necessary arrangements and prepare all the required and necessary means to enable IEC's Quality Control Unit Representative(s) to review, observe, audit, inspect, test and survey the Work - at any of the facilities where Work or any part thereof is performed, including those of the Contractor and of its Sub-Contractor(s). Upon Purchaser's request the Contractor shall submit un-priced copies of its orders to the Sub-Contractor(s) pertaining to the Work/Contract, clearly marked with the Purchaser's name and Contract number, specifically indicating Contractor's quality requirements from its Sub-Contractor(s), to allow verification of proper implementation of the quality requirements.
- 1.3 The Contractor shall nominate promptly after Contract award a quality engineer or a quality specialist to control and manage the quality requirements of the Contract. This person shall have the authority and responsibility with respect to maintaining the quality plan, coordinating the tests and inspections and verifying compliance with the quality requirements.
- 1.4 Manufacturing shall not commence prior to respective drawing approval by the Purchaser.
- 1.5 All materials used in the manufacture of the Equipment shall conform to the Specification, approved drawings, and accepted Standards. Use of alternate materials and subassemblies is not accepted unless a specific and documented authorization is granted in writing by the Purchaser.

PREPARED BY	CHECKED BY	APPROVED BY
B. Ben-Akiva Q.C. Unit Quality Engineering	K. Arbiv Manager Of Quality Control I.E.C	Y.Mitrani Deputy Head of Procurement Division I.E.C
Date And Signature: 05/11/2019 	Date And Signature: 13/11/2019 	Date And Signature: 13/11/2019 

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 16 of 29	

2. DEFINITIONS, CLASSIFICATIONS AND ABBREVIATIONS

- 2.1 CORRECTIVE ACTION (CA) – As defined in ISO 9000:2005.
- 2.2 QUALITY PLAN (QP) – a plan, prepared by the Contractor especially for the Contract, in accordance with ISO 10005, to ensure that the Work meets all the quality requirements.
- 2.3 INSPECTION AND TEST PLAN (ITP) – a plan, in the format of Exhibit "A" attached hereto or any other form approved by the Purchaser, specifying all the inspections and tests for the Work (including witness and hold points) covering all aspects of design, type tests, first article inspection, manufacturing, in process inspection, product qualification, final inspection/s and test/s, packing, transportation, erection and commissioning.
- 2.4 QCUR - the Purchaser's Quality Control Unit Representative and/or any other representative authorized by it.
- 2.5 WITNESS POINT (WP) - a planned visit of the QCUR to Contractor's facility, before delivery of any portion of the Work, in order to witness a specific inspection and/or test detailed in the ITP.
- 2.6 HOLD POINT (HP) – the same as WP but with the distinction that the Contractor is not permitted to proceed with its planned activities without having received Purchaser's written approval.
- 2.7 NON CONFORMANCE (NC) - deviation from any specified quality characteristic of the Work.
- 2.8 NON CONFORMANCE REPORT (NCR) - a report, on Contractor's numbered serial form, describing the details of a Non Conformance, from its detection through its disposition and corrective action(s).
- 2.9 QUALITY CHARACTERISTIC – any identifiable property of the Work (i.e. physical, chemical, functional, visual, technical, environmental, economical and statistical requirement of applicable standard/code, etc.)
- 2.10 WORK - equipment and services to be provided by the Contractor, all as further detailed in the Contract.
- 2.11 SPECIAL PROCESS - irreversible manufacturing process, or a process which requires special or specific tools.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 17 of 29	

3. QUALITY PLAN AND INSPECTION AND TEST PLAN

- 3.1 The Contractor shall submit, in accordance with the documentation submission schedule (Annx. J) or if not specified therein within fourteen (14) days after Contract award, detailed Inspection and Test Plan, for Purchaser's review and approval. Any subsequent alterations to these plans shall be submitted for Purchaser's approval prior to start of any portion of the Work that may be affected by such alterations.
- 3.2 Contractor shall not commence purchasing and manufacturing prior to receiving Purchaser's written approval to the Quality and/or the Inspection and Test Plans.

4. DOCUMENTATION

- 4.1 The Contractor shall submit for Purchaser's review, as an integral part of the Quality Plan, the quality and manufacturing/operations procedures pertaining to the Work, and shall promptly provide any explanations as may be requested by the Purchaser with respect thereto.
- 4.2 The Contractor shall submit to the Purchaser, for review, comment and approval, in accordance with the documentation submission schedule but at least twenty one (21) days prior to the implementation of special processes, the relevant procedures including all the process qualifications and the employees' certifications for said special processes.

5. INSPECTIONS AND TESTS

- 5.1 The Contractor shall provide test and inspection equipment and/or any other means required in accordance with applicable industrial standards, all as may be required for the proper execution of the Work and especially for the execution of the ITP .
- 5.2 The Contractor shall ensure that all tests or inspections (including source inspections) forming part of the Work shall be carried out by proficient organizations or individuals certified to EN 45004 (level A or C). Any independent inspector shall be subject to Purchaser's approval.
- 5.3 Type tests, Routine tests and Sample tests (where applicable) shall be carried out in accordance with the provisions set forth in Annexure "B", Annexure "M", or as otherwise specified in the Contract.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 18 of 29	

- 5.4 All other qualification tests (for mechanical equipment) shall be witnessed by the QCUR, and subsequently all the relevant quality records shall be submitted for Purchaser's review. The 1st article/piece test shall be considered a witness point and the serial manufacturing shall commence only after its successful completion.

6. INSPECTION NOTIFICATION

Unless otherwise specified in the General Conditions, Annexure "A", or elsewhere in the Contract:

- 6.1 The Contractor shall provide the Purchaser with preliminary notification of readiness for testing and inspection of each part of the Work two (2) months prior to such readiness. Final notification shall be provided to the Purchaser two (2) weeks prior to such readiness in the format of Exhibit "B".
- 6.2 Purchaser shall provide Contractor with notice of its attendance and shall bear the expenses related to such attendance. In the event the Purchaser's representatives fail to attend the tests or inspections as scheduled, the Contractor may proceed whilst properly recording the test procedures and all the test results for timely submission to Purchaser, except in the case of specific hold points agreed upon in the Contract, for which Contractor shall require Purchaser's permission to continue.
- 6.3 The witnessing of the Contractor's tests and inspection(s) by the Purchaser shall in no way whatsoever relieve the Contractor of any of its responsibilities or liabilities under the Contract, nor shall it be interpreted in any way as implying acceptance of the Work.

7. QUALITY RECORDS

- 7.1 The Quality Records referenced in this clause shall be submitted in Hebrew and/or in English.
- 7.2 Contractor shall make available to Purchaser, upon Purchaser's request, for review and comment, at Purchaser's premises or at any other mutually agreed upon place in Israel, the quality records of any - Type test, Routine test, Qualification test, First Article Inspection/Test, Process qualification, Special process and/or any other inspection/test/examination called for by the Contract.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 19 of 29	

- 7.3 Original Material test reports and Test and Inspection certificates, including quality records of WP not witnessed by the QCUR, signed and attested by the Contractor, and containing actual measured values, in accordance with EN 10204-3.1/3.2, shall be submitted by the Contractor to the Purchaser within 5 days following their generation for approval by IEC.
- 7.4 The submission of the applicable quality records shall constitute a condition precedent to delivery of the relevant portion of the Work.

8. HANDLING OF NONCONFORMANCES AND CORRECTIVE ACTIONS

- 8.1 It is the Contractor's obligation to report to the Purchaser of any nonconforming item/event pertaining to the Work. The relevant documentation and quality records shall be submitted to the Purchaser immediately after said NC has been observed.
- 8.2 In case the Contractor fails to report of a non conformance in due time, Purchaser may request Contractor to dismantle the nonconforming part (to witness the NC) at no additional cost to the Purchaser.
- 8.3 Following observation of a Non Conformance, the Contractor shall propose, get Purchaser's approval and thereafter implement suitable corrective action/s (CA). In case a CA is not implemented and the Work is adversely affected, the Purchaser may request the Contractor to stop related activities and hold the Contractor responsible for delays in the Contract schedule until the problem is reasonably resolved.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 20 of 29	

EXHIBIT A

I&T Plan FORM

CONTRACTOR'S: Name, I&T Plan Title, The Product Inspected/Tested, and Document Identity & Approval. PURCHASER'S: Name And Project's Name And Location. Purchase Order No. & Materiel No. or C1 Item No.									
No	The inspection or test	Applicable documents	Wp/Hp or Other	Inspected / Tested By				The Report / Certificate and Its Ref. Std/ Procedure	Remarks
				Subcont/ Supplier	Contractor	Purchaser	Other		
Approval By The Contractor's Quality Assurance/Control									

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 21 of 29	

EXHIBIT B

INSPECTION NOTIFICATION.

Supplier details:	
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1 Project:

2 Contract No.:

3 Owner: **Israel Electric Corporation Ltd.**

4 Contractor:

5 Address of Place of inspection:

Company:

Contact Person:

Telephone No.:

Fax No.:

6 Proposed Date of Inspection: preliminary: confirmed:

The Inspection and/or Testing shall be carried out on the following Items :

7 Description of item:			
8 Description of Inspection:	☐ Intermediate stage	☐ Final inspection	
9 Reference to ITP/other Documents:			
It is certified that: a) Approved drawings/quality plans/data sheets/any relevant specifications for the items as above shall be available at the time and place of inspection. b) Internal inspections and/or testing of the items as above have been carried out by the Contractor to his satisfaction. The Contractor finds the items satisfactorily for participation in or witnessing of inspection and/or testing by the Customer / any other person authorized under or designated in accordance with the Contract.			
Date:		Signature	Contact Person:

Participation Contractor ☐ yes ☐ no Date: Signature:

Participation Purchaser ☐ yes ☐ no Date: Signature:

Comments:

Israel Electric Corporation Ltd.
Grid Engineering Division
Distribution Engineering Unit

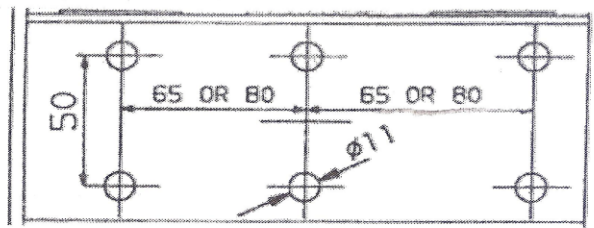
Edition no.:10

Issued date : 03/2026

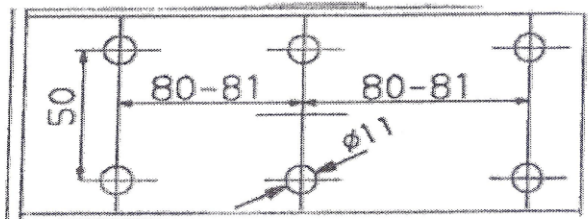
Page no. : Page 22 of 29

Specification NPS-207
L.V. THREE POLE NH FUSE SWITCH
DISCONNECTOR

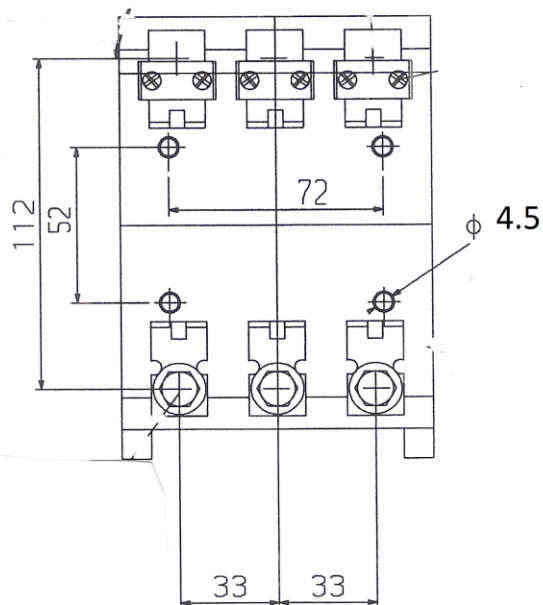
APPENDIX "D" — HOLE FOR ASSEMBLY THE FUSE SWITCH DISCONNECTOR



①
3X400 A



②
3X630 A



③
3X 160 A

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 23 of 29	

APPENDIX "E" - STATEMENT OF MANUFACTURING EXPERIENCE

I, _____ (enter name), hereby state the following:

1. I _____ (enter name), am authorized to sign this statement on behalf of _____ ("the Manufacturer").
2. I hold the position of _____ (enter job title and description, i.e. partner, production manager, sales manager, etc.) at the Manufacturer.
3. I have been in this position since _____ (enter date).
4. I am providing this statement with regards to I.E.C's tender number _____ ("the Tender").
5. The facts/details given in this statement have been checked and verified by me.
6. _____ (the Manufacturer has experience in production of the proposed item or similar, for at least 3 years in the last 5 years, prior to tender submission.
"Similar" means: The same fuse switch disconnectors but with different cable connection, constructed from the same materials and in the same technology.
7. I hereby undertake to provide, upon I.E.Corp's request and at its sole discretion, any Other documents (reference list, quantity, dates of supply, letter of Recommendations etc.) Or other Information requested for this tender for Purposes of proving said experience.

Signature

Date

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 24 of 29	

APPENDIX "F" - SCHEDULE UP TO PROTOTYPE APPROVAL

Remarks:

- Starting point is the date on which a binding contractual obligation has been created, as specified in the invitation to submit proposal.
- One month before performance of the type tests the contractor shall submit the final test schedule.
- The period of time for the delivery approval from the starting point as indicated above will not take more than 4 months.

No.	STAGE	WEEK															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	- Submitting detailed manufacturing drawings including Q.A. and Q.C. procedure of required equipment. - C.O.C of all items supplied, including details raw material, coatings, etc. - Inspection and test plan including in the Quality Plan. - Plain and schedule of the type test.																
2	Israel Electric Corp. approval for the above documents And Completion or modification.																
3	Execution and submission of the type test report for the proposed item.																
4	Submitting of Prototype.																
5	Final I.E.Corp.. approval.																

Signature: _____

Date: _____

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 25 of 29	

APPENDIX "G" - Statement of obligation

We hereby undertake that the proposed items will be according to the requirements specified in the I.E.Corp. Specification NPS-207/10

Tender No.: _____

Manufacture country: _____

Manufacture name: _____

Supplier name: _____

Date: _____

Supplier Signature: _____ Manufacture Signature: _____

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.:10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 26 of 29	

APPENDIX "H" - Statement of obligation – same product.

We hereby undertakes that the proposed products (specified in the table below) already supplied and approved by

I.E.Corp. and will be identical to the previously supplied to I.E.Corp. (item without any changes) and will be

accordingly to the requirements of this specification.

Tender No.: _____

Manufacture country: _____

Manufacture name: _____

Supplier name: _____

Date: _____

No	I.E.C cat. No.	Manufacturer P/N	Supplier P/N	Date of most recent supply	Bidder signature	Manufacturer signature
1	5256836					
2	555573					
3	555797					

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 27 of 29	

APPENDIX "I" - Statement of obligation –I.E.Corp suppliers

We hereby undertake that the proposed products will also be provided to other suppliers who purchase them for I.E.Corp. and will be identical to the products that approved by I.E.Corp (item without any changes) and will be accordingly to the requirements of this specification.

Tender No: _____

Manufacture country: _____

Manufacture name: _____

Supplier name: _____

Date: _____

Supplier signature: _____

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 28 of 29	

APPENDIX "J" - Revision History:

Version	Date	Update by	Modifications
7	01/06/2022	Khaled Saleh	The revision includes the following: 1. Revised due to update necessary. 2. Title of the Specification. 3. Technical documentation update: a. One detailed drawings organized in electronic file. b. Adding existing supplier (exempted from submitting samples). 4. Technical requirement: a. Cable cross section update (for all sizes). b. Adding the option that <u>I.E.Corp.</u> can change screws or washers any time. 5. Adding pallet packaging quantity. 6. Marking – adding "IP". 7. Prototype approval: a. Adding new supplier. b. Adding existing supplier. 8. Appendix A – update. 9. Appendix C – update to the latest version. 10. Appendix D – changing mounting holes' diameter. 11. Appendix F – schedule for prototype approval - update. 12. Appendix G - Statement of obligation - Addition. 13. Appendix H - Statement of obligation - same product - Addition. 14. Appendix I - Statement of obligation - provide to I.E.Corp suppliers - Addition. 15. General errors are corrected in all section.

Israel Electric Corporation Ltd. Grid Engineering Division Distribution Engineering Unit	
Edition no.: 10	Specification NPS-207 L.V. THREE POLE NH FUSE SWITCH DISCONNECTOR
Issued date : 03/2026	
Page no. : Page 29 of 29	

8	13/12/2023	Khaled Saleh	1. Scope of supply – remove cat. No. 3344975 2. Technical requirement: addition insulated partitions between the phase connections terminals. 3. Appendix A –update. 4. Appendix E –update.
9	02/03/2025	Khaled Saleh	1. Removing clause 5.1.6 - the clamps shall be tested acc. To VDE 220
10	17/03/2026	Tamar Zemach	The revision includes the following: 1. Technical requirements updated regarding size 2 incoming terminal bolt assembly options and M10/M12 washer compatibility. 2. Added clarification for captive washer / flat washer geometry based on DIN 125A / ISO 7089. 3. Added requirement that if a different flat washer dimension is offered, it shall be clearly declared in the bid for compatibility check. 4. Clause 3.11 was clarified regarding sample submission requirements for each offered item/size, and the definition of “Similar” was revised accordingly. 5. Relevant wording and Appendix A – Summary of Data – were updated according to the revised requirements.