

केन्द्रीय मुहर विभाग-3

संदर्भ : के मू वी- 3/16: IS/IEC 60947 (Part 4 / Sec 1)

15 जनवरी 2025

विषय : IS/IEC 60947 (Part 4 / Sec 1): 2020 के अनुपालन हेतु दिशानिर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीय / शाखा कार्यालयों से अनुरोध है की दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें ।

राहुल विश्वकर्मा
वैज्ञानिक - डी

प्रमुख (के मू वी-3)

सभी क्षेत्रीय / शाखा कार्यालयों

CENTRAL MARKS DEPARTMENT – III

Our Ref: CMD III/16: IS/IEC 60947 (Part 4 / Sec 1)

15 Jan 2025

Subject: Guidelines for implementation of revised standard IS/IEC 60947 (Part 4/ Sec 1): 2020

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

Rahul Vishwakarma
Scientist D

Head (CMD-III)

All ROs/BOs

CENTRAL MARKS DEPARTMENT – III

Our Ref: CMD III/16: IS/IEC 60947 (Part 4 / Sec 1)

15 Jan 2025

Subject: Guidelines for implementation of Revision of IS/IEC 60947 (Part 4 / Sec 1): 2018 - Low-Voltage Switchgear and Controlgear Part 4 Contactors and Motor-Starters Section 1 Electromechanical Contactors and Motor-Starters

1. IS/IEC 60947 (Part 4 / Sec 1): 2012 – Low Voltage Switchgear and Controlgear: Part 4 Contactors and Motor-Starters Section 1 Electromechanical Contactors and Motor-Starters has been revised to IS/IEC 60947 (Part 4 /Sec 1): 2018 and the last date of concurrent running of the Standard with and without Revision 02 August 2025.
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the revised Standard within **a week of issuance of these guidelines**.
3. The revision of the standard has been undertaken to align this standard with the latest international practices. The significant change brought through this Revision:

Sl. No.	Clause No.		Changes	Requirement for compliance
1.	Cl. 1	Scope structure and exclusions	Scope of the standard has been revised	Licensee has to submit the revised scope as per the latest scope specified in the standard
2.		Editorial correction of notes and hanging paragraphs		No compliance is required
3.	Cl. 5.1	Reference to IEC 62683-1 has been added	Reference of IEC 62683-1 added, for eg, electronic catalogue which gives the data format of the essential characteristics of motor starters, contactors and their accessories.	Manufacturer shall submit the declaration for compliance to the requirement, if any
4.	Cl. 5.7	Motor protective switching device (MPSD) with its requirements	New variety of equipment i.e. Motor protective switching device (MPSD) with its requirements has been added	This is a new variety of equipment. Manufacturer shall submit the declaration alongwith the test report from BIS

				recognised lab in order to submit the compliance of the product.
5.		Safety aspects related to: i) General aspects; ii) Limited energy circuits; iii) Electronic circuits; and iv) Assessment procedure for electromechanical overload protection used in safety — applications (new Annex L).	Requirements have been modified	Manufacturer shall submit the declaration alongwith the test report from BIS recognised lab in order to submit the compliance of the product
6.	Cl. 5.4 and Table 1	Introduction of provisions covering the impact of higher locked rotor current to achieve	Requirements for Squirrel-cage motors with higher locked rotor current (AC 3e) has been added	Manufacturer shall submit the declaration alongwith the test report from BIS recognised lab in order to submit the compliance of the product
7.		High efficiency class	Requirements of High efficiency class of equipment has been added	Manufacturer shall submit the declaration alongwith the test report from BIS recognised lab in order to submit the compliance of the product
8.		Mention of dedicated wiring accessories	Requirements for dedicated wiring accessories has been added and specified	In case manufacturer declares the dedicated accessories alongwith the product, the manufacturer shall submit the test report from BIS recognised lab in order to submit

				the compliance of the product
9.	Cl. 6.1.2.r) Cl. 8.2.4.5 Cl. 9.3.3.2.1.2.3	Pickup power measurement	Pickup power is associated with the power consumption of electromagnet of a contactor necessary for holding and pickup operations	In case manufacturer declares the pickup power associated with the power consumption of electromagnet, the manufacturer shall submit the declaration alongwith the test report from BIS recognised lab in order to submit the compliance of the product
10.	Annex – M	Direct current requirements for covering photovoltaic application	New annex has been added for photovoltaic application	Manufacturer shall submit the conformity of the product from BIS recognized lab.
11.	Annex – O	Load monitoring indicators	New annex has been added for Load monitoring indicators	
12.	Annex – P	Short-circuit breaking tests of MPSD	New annex has been added	
13.	Annex – Q	Co-ordination under short-circuit conditions between a MPSD and another short-circuit Protective device associated in the same circuit	New requirements for coordination under short circuit conditions between MPSD and another short-circuit protective device associated in the same circuit has been added	

4. The Product Manual: **PM/IS/ IEC 60947-4-1 /1/ Dec 2024** has been circulated and is made available on BIS Website.

5. The guidelines for implementation of the Revised Indian Standard is given below:

A. Licensees

1. All Licensee shall implement the requirements of the Revised Standards by 02 August 2025. Any difficulty in implementation shall be brought to the notice of CMD III within one month of issuance of these guidelines. BO shall ensure that no Licences are under operation as per old standard after 02 August 2025. The status of implementation of the revised Indian Standard shall be confirmed by Head (BO) to CMD-III within one month of the last date of concurrent running.
2. Licensee shall submit the declaration and test report issued from BIS approved Lab alongwith technical file in order to establish conformity against the modified requirements.
3. Verification of implementation of the Revised Standard IS/IEC 60947 (Part 4 / Sec 1): 2018 shall be done through the verification of Technical file, which shall be completed within one months from the last date of implementation.
4. If the Licensee fails to complete the actions by 02 August 2025, it shall be dealt with as per the prevailing guidelines

B. APPLICATIONS FOR GRANT OF LICENCE

1. Existing Applications where Sample(s) has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed without consideration of the revision. However, if the Applicant desires to get the licence with the Revised Standard, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall also be obtained from such Applicants that if the sample fails while considering the provisions of the Revised Standard, Licence will not be granted as per the old version.
2. Applications which are recorded henceforth may be processed with or without Revision. Processing of Applications without Revision shall be permitted only upto 02 August 2025 and for such cases Applicant shall give a declaration that they will implement the Revised Indian Standard by 02 August 2025.
3. After 02 August 2025, no Licence shall be granted without consideration of the Revision.
4. The above guidelines come into force with immediate effect.

Rahul Vishwakarma
Scientist D

Head (CMD III)
DDG (Certification)