



## DRAFT INDIAN STANDARD IN WIDE CIRCULATION

**Reference : MED-40/T-39**

**Date : 04 March 2024**

**TECHNICAL COMMITTEE : Safety of Machinery, MED 40**

**To,**

**All concerned**

Dear Madam/Sir,

The following document has been prepared by the Safety of Machinery Sectional Committee, MED 40. Please [click here](#) to view the document.

**Document Number : MED 40 (24378) WC**

**Title of the document : Safety of machinery - Evaluation of fault masking serial connection of interlocking devices associated with guards with potential free contacts**

**Document Type : New Indian Standard**

*This document has following salient features which may require specific attention for your valuable comments:*

*1) This Technical Report illustrates and explains principles of fault masking in applications where multiple interlocking devices with potential free contacts (B1 to Bn) are connected in series to one logic unit (K) which does the diagnostics. It further provides a guide how to estimate the probability of fault masking and the maximum DC for the involved interlocking devices. This Technical Report only covers interlocking devices in which both channels are physical serial connections.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 03 May 2024**

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at med@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg,

New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,**  
**(RAJNEESH KHOSLA)**  
**Head (Mechanical Engineering Department)**  
**Email: med@bis.gov.in**



## व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : MED-40/T-39

दिनांक : 04-03-2024

**तकनीकी समिति : Safety of Machinery Sectional Committee, MED 40**

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : MED 40 (24378) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मतियाँ भेजने की अंतिम तिथि : 03 May 2024**

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट [www.bis.gov.in](http://www.bis.gov.in) पर भी उपलब्ध है/हैं।

धन्यवाद।

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