

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Adjustable speed electrical power drive systems – Part 7-1: Generic interface and use of profiles for power drive systems – Interface definition

(ICS 29.200; 35.100.05)

Power Electronics Sectional
Committee, ETD 31

Last date for comments-06/09/2024

NATIONAL FOREWORD

This Draft Indian Standard which is identical with IEC 61800-7-1:2015 ‘Adjustable speed electrical power drive systems – Part 7-1: Generic interface and use of profiles for power drive systems – Interface definition’ Issued By The International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Power Electronics Sectional Committee and approval of the Electrotechnical Division Council.

The text of the IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

The technical committee has reviewed the provision of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
IEC 61158-5-2	Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements
IEC 61158-5-3	Industrial communication networks – Fieldbus specifications – Part 5-3: Application layer service definition – Type 3 elements
IEC 61158-5-10	Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements
IEC 61158-6-2	Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements
IEC 61158-6-3	Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements

IEC 61158-6-10	Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements
IEC 61800-7-201	Adjustable speed electrical power drive systems – Part 7-201: Generic interface and use of profiles for power drive systems – Profile type 1 specification
IEC 61800-7-202:2015	Adjustable speed electrical power drive systems – Part 7-202: Generic interface and use of profiles for power drive systems – Profile type 2 specification
IEC 61800-7-203	Adjustable speed electrical power drive systems – Part 7-203: Generic interface and use of profiles for power drive systems – Profile type 3 specification
IEC 61800-7-204:2015	Adjustable speed electrical power drive systems – Part 7-204: Generic interface and use of profiles for power drive systems – Profile type 4 specification
IEC 61800-7-304	Adjustable speed electrical power drive systems – Part 7-304: Generic interface and use of profiles for power drive systems – Mapping of profile type 4 to network technologies
IEC TR 62390:2005	Common automation device – Profile guideline
EN 50325-4	Industrial communications subsystem based on ISO 11898 (CAN) for controllerdevice interfaces – Part 4: CANopen

Only English language text has been retained while adopting it in this Indian Standard, and as such the page numbers given here are not the same as in the International Standard.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NOTE — The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 61800-7-1:2015‘or kindly contact:

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