
**Tractors and machinery for agriculture
and forestry — Auxiliary-power-
transmission connector for the operator
station**

*Tracteurs et matériels agricoles et forestiers — Connecteur de
transmission d'énergie auxiliaire au poste de l'opérateur*

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Foreword

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ISO 17612 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 4, *Tractors*.

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Introduction

This International Standard specifies an electrical connector for the transmission of auxiliary power within the operator station of enclosed agricultural machines. The specification thus established will allow manufacturers to provide both individual and multiple outlets in the cab. Typical applications include monitors, light-duty controllers, remote operating devices and miscellaneous off-the-shelf items. Only the application dimensions and electrical characteristics are covered.

Other electrical transmission connectors for agricultural tractors and machinery are specified in ISO/TR 12369. For this and other International Standards dealing with connectors for electrical power transmission from tractor to implement or other means, see the Bibliography.

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Tractors and machinery for agriculture and forestry — Auxiliary-power-transmission connector for the operator station

1 Scope

This International Standard specifies the essential interface dimensions of a connector and its plug for the transmission of 12 V electrical power within the enclosed operator station of agricultural tractors and machinery. The device is intended to be used as a non-environmentally sealed, convenient source for power auxiliary devices, providing a means for the operator to obtain electrical power without altering the tractor/machine electrical wiring harness. The maximum current capacity of the specified device is 30 A: it is not applicable to any other voltage system (6 V or 24 V).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

contact

current-carrying element of the connector, either male or female

3.2

pin

male contact

3.3

contact socket

female contact

3.4

power strip socket

female half of the connector, integral to the power strip

3.5

power strip plug

male half of the connector, attached to the device to be powered

3.6

connector

complete mated assembly containing socket, plug, pins and contact sockets