

## STANDARD INFORMATION

**If the project requires any changes to the Certification Data Report outside of Section 1, then this SUN applies.**

**Standard:** NFPA 79

**Standard ID:** Electrical Standard for Industrial Machinery [NFPA 79:2023 Ed.2024]

**Previous Standard ID:** Electrical Standard for Industrial Machinery [NFPA 79:2020 Ed.2021]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **January 1, 2026**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** No action is required for currently certified products. If modifications to the product after the effective date require an evaluation and/or testing, then the product must undergo re-evaluation to the new requirements.

### Overview of Changes:

- Added General use switch rated in Amps or HP as a machine supply disconnect
- listed manual motor controller if such is used as the additional disconnecting means
- allows for not requiring a key or tool, nor having an interlocked disconnect if all internal components are “finger safe”
- Allows 16 and 18AWG under certain criteria

Specific details of new/revise requirements are found in table below.

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
5	Info	<b>Disconnecting Means</b>
5.1	Info	<b>Machine Supply Circuit and Disconnecting Means</b>
		The machine supply circuit disconnecting means shall be one of the following types:
5.1.10		(1) A listed motor circuit switch rated in horsepower (2) <u>A listed general-use switch rated in amperes and horsepower</u> (3) A listed molded case circuit breaker (4) A listed molded case switch (5) An instantaneous trip circuit breaker that is part of a listed combination motor controller limited to single motor applications (6) A listed, self-protected combination controller limited to single motor applications (7) An attachment plug and receptacle for cord connection
5.2	Info	<b>Additional Disconnecting Means</b>
		The following devices shall be permitted to fulfill the function of 5.2.1:
5.2.2		(1) Devices described in 5.1.10 (2)* <del>A listed manual motor controller additionally marked "suitable as motor disconnect" and in compliance with UL 508 where located on the load side of the last short-circuit protective device in the branch in a single motor branch circuit where located between the last motor branch-circuit short-circuit and ground-fault protective device and the motor.</del> (3) System isolation equipment that incorporates control lockout stations and is listed for disconnection purposes where located on the load side of overcurrent protection and its disconnecting means. <u>The disconnecting means shall be one of the types permitted by 5.1.10(1) through (4).</u>
6	Info	<b>Protection from Electrical Hazards</b>
6.2	Info	<b>Basic Protection</b>
6.2.3	Info	<b>Protection by Enclosures</b>
		<b>Enclosure Access</b>
6.2.3.1		Opening an enclosure (e.g., door, lid, cover) that contains live parts operating at or greater than 50 volts ac rms or 60 volts dc shall be permitted only under one or more of the following conditions:



CLAUSE	VERDICT	COMMENT
		<p>(1) The use of a key or tool is necessary for access to live parts operating at or above 50 volts rms ac or 60 volts dc. <del>All live parts mounted on the inside of doors or covers that are operating at or above 50 volts rms ac or 60 volts dc shall be protected from unintentional direct contact by the inherent design of components or the application of barriers or obstacles such that a 50 mm (2 in.) sphere cannot contact any live parts. A safety sign shall be provided in accordance with 16.2.4.</del></p> <p>(2) The disconnecting means supplying the enclosure is interlocked with the enclosure door(s) in accordance with 6.2.3.2.</p> <p><del>(3) Opening without the use of a key or a tool and without disconnection of live parts shall be permitted only when all live parts inside that are operating at or above 50 volts rms ac or 60 volts dc are separately enclosed or guarded such that there cannot be any contact with live parts. A safety sign shall be provided in accordance with 16.2.4.</del></p> <p><u>(3) All the live parts inside that are operating at or greater than 50 volts ac rms or 60 volts dc, including those mounted on the inside surface of doors or covers, are separately enclosed or guarded from direct contact by the inherent design of components or the application of barriers or obstacles such that a 12.5 mm (1/2 in.) jointed test finger, as shown in Figure 6.2.3, cannot contact them.</u></p>
12	Info	<b>Conductors, Cables, and Flexible Cords</b>
12.6	Info	<b>Conductor Sizing</b>
		<b><i>New clause added;</i></b>
12.6.1.4		<p>16 AWG and 18 AWG conductors shall be permitted where individual conductors are used in a cabinet or enclosure or where part of a jacketed multiconductor cable assembly or flexible cord under the following conditions:</p> <p>(1) The conductors are supplied by power conversion equipment that is listed and marked "Suitable for Output Motor Conductor Protection."</p> <p>(2) The power conversion equipment is marked suitable for protecting the size of the conductor used.</p>