



INQUIRY FORM FOR THE ELECTRICAL EQUIPMENT OF HOISTING MACHINES

This form is recommended to be filled out to ensure the electrical equipment for the hoisting machine is provided to meet the specifications of the machine. Please reference EN 60204-32:2008 for additional information.

Name of manufacturer/supplier:			
Name of end user:			
Tender/order number:		Date	
Type of hoisting machine:		Serial Number	

1. Special conditions (see Clause 1)

a) Is the hoisting machine to be used in open air?	Yes		No	
b) Will the hoisting machine handle or transport explosive, flammable or otherwise hazardous material?	Yes/No		If yes, specification	
c) Is the hoisting machine for use in potentially explosive or flammable atmospheres?	Yes/No		If yes, specification	
d) Is the hoisting machines for use in mines?	Yes		No	

2. Electrical supplies and related conditions (see 4.3)

a) Anticipated voltage fluctuations (if more than ± 10%)				
b) Anticipated frequency fluctuations (if more than ± 2%)	Continuous		Short time	
c) Indicate possible future changes in electrical equipment that will require an increase in the electrical supply requirements				
d) Specify voltage interruptions in supply if longer than specified in Clause 4 where electrical equipment shall maintain operation under such conditions				

3. Physical environment and operating conditions (see 4.4)

a) Electromagnetic environment (see 4.4.2)	Residential, commercial or light industrial environment		Industrial environment	
Special conditions of requirements				
b) Ambient temperature range				
c) Humidity range				
d) Altitude				
e) Special environmental conditions (for example, corrosive atmospheres, dust, wet environments)				
f) Radiation				
g) Vibration, shock				
h) Special installation and operation requirements (for example, flame-retardant cables and conductors)				
i) Transportation and storage (for example, temperatures outside the range specified in 4.5)				



4. Incoming electrical supplies

Specify for each source of supply:				
a) Nominal voltage (V)	AC		DC	
	If AC, number of phases		Frequency	
Prospective short-circuit current at the point of supply to the hoisting machine (kA r.m.s.) (see also item 2)				
b) Type of power supply earthing (see IEC 60364-1)	TN (systems with one point directly earthed, with a protective conductor (PE) directly connected to that point); specify if the earthed point is the neutral point (center of the star) or another point		TT (system with one point directly earthed, but the protective conductor (PE) of the hoisting machine not connected to that earth point of the system)	
	IT (system that is not directly earthed)			
c) Is the electrical equipment to be connected to a neutral (N) supply conductor? (see 5.1)	Yes		No	
d) Crane-supply-switch				
Is disconnection of the neutral (N) conductor required?	Yes		No	
Is a removable link for disconnecting the neutral (N) required?	Yes		No	
Type of crane-supply-switch to be provided				

5. Protection against electric shock (see Clause 6)

a) For which of the following classes of persons is access to the interior of enclosures required during normal operation of the equipment?	Electrically skilled persons		Electrically instructed persons	
b) Are locks with removable keys to be provided for securing the doors or covers? (see 6.2.2)	Yes		No	

6. Protection of equipment (see Clause 7)

a) Will the user of the supplier provide the overcurrent protection of the supply conductors? (see 7.2.2)				
Type and rating of overcurrent protective devices				
b) Largest (kW) three-phase AC motor that may be started direct-on-line				
c) May the number of motor overload detection devices be reduced? (see 7.3)	Yes		No	

7. Operation

For cableless control systems, specify the time delay before automatic hoisting machine shutdown is initiated in the absence of valid signal. (see 9.2.7.3)	
---	--

8. Operator interface and machine-mounted control devices (see Clause 10)

Special color preferences (for example, to align with existing machinery)	Start		Stop	
	Other			



9. Control Gear

Degree of protection of enclosures (see 11.3) or special conditions:	
--	--

10. Wiring practices (see Clause 13)

Is there a specific method of identification to be used for the conductors? (see 13.2.1)	Yes		No	
Type				

11. Accessories and lighting (see Clause 15)

a) Is a particular type of socket-outlet required?	Yes		No	
If yes, which type?				
b) Are the socket-outlets for maintenance to be provided with additional protection by the use of residual current protective devices (RCD)?	Yes		No	
c) Where the hoisting machine is equipped with local lighting	Highest permissible voltage (V)		If lighting circuit voltage is not obtained directly from the power supply, state preferred voltage	

12. Marking, warnings and reference designations (see Clause 16)

a) Functional identification (see 16.3)				
Specifications:				
b) Inscriptions/special markings	On electrical equipment?		In which language?	
c) Mark of certification	Yes		No	
If yes, which one?				

13. Technical documentation (see Clause 17)

a) Technical documentation (see 17.1)	On what media?		In which language?	
b) Size, location and purpose of ducts, open cable trays or cable supports to be provided by the user (see 17.5)				
c) Indicate if special limitations on the size or weight affect the transport of a particular hoisting machine or control gear assemblies to the installation site	Maximum dimensions		Maximum Weight	

14. Intended use of the hoisting machine (see 12.4 and Annex D)

What is the mean number of operating cycles per hour? (An operating cycle comprises all operations in all axes, beginning with the hoisting of a load and ending when the hoisting machine is ready for hoisting the next load)	
For what length of time is it expected that the hoisting machine will be operated at this rate without subsequent pause?	
Length of subsequent pause?	