

ISO 14990-3:2016-11 (E)

Earth-moving machinery - Electrical safety of machines utilizing electric drives and related components and systems - Part 3: Particular requirements for self-powered machines

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General requirements	2
4.1	General	2
4.2	Special conditions	2
4.3	Supplies	2
5	Protection against electric shock hazards	2
6	Protection against electrical fire hazards	2
7	Protection against thermal hazards	3
8	Protection against mechanical hazards	3
9	Protection against abnormal operation hazards	3
9.1	General	3
9.2	Overcurrent protection (OCP)	4
10	Electric power source	4
11	Wiring	4
12	Electric motors	4
13	Non-motor loads	4
14	Controls	4
15	Manuals and documentation	4
15.1	General	4
15.2	Information to be provided	4
16	Marking	4
16.1	General	4
16.2	Marking of equipment	5
17	Tests	5
Annex A (informative) Enquiry form for electrical equipment of self-powered machines		6
Bibliography		15