ISO 8102-6:2019 (E)

Electrical requirements for lifts, escalators and moving walks — Part 6: Programmable electronic systems in safety-related applications for escalators and moving walks (PESSRAE)

Contents

		Foreword		
		Introduction		
1		Scope		
2		Normative references		
3		Terms and definitions		
4		Requirements		
	4.1		General	
	4.2		Extended application of this document	
4.2.: 4.2.: 4.2.: 4.2.: 4.3 4.4			General	
			Risk assessment	
			Limits for specifying SIL for PESSRAE	
			Safe-state requirements	
			Safety function SIL requirements	
			SIL relevant and non-SIL relevant safe state requirements	
	4.5		Implementation and demonstration requirements for verification of SIL compliance	
	4.5.1		General	
	4.5.2	_	Required techniques and measures to implement and demonstrate PE systems compliance with specified safety integrity levels in this document	
4.5.		3	Loss of power after a PESSRAE device has actuated	
Annex	Α	(norma	ative) Techniques and measures to implement, verify, and maintain SIL compliance	
	A.1		General	
	A.1.	•	Techniques and measures to be used to satisfy the SIL requirements of this document	
	A.1.2	_	Instruction manual	
A.1.			General	
	A.1.2		General requirements on maintenance and repair for the instruction manual	
A.1. A.1.			Maintenance or maintainability design requirements	
			EMC immunity	
	A.2		Techniques and measures to implement and demonstrate SIL compliance using IEC 61508-2 and IEC 61508-3	
	A.2.		General requirements	
A.2		2	Implementation and SIL compliance	

Annex B (informative) Example of risk reduction decision table

Page count: 20