

# ISO 27186:2010-03 (E)

## Active implantable medical devices - Four-pole connector system for implantable cardiac rhythm management devices - Dimensional and test requirements

---

<b>Contents</b>	<b>Page</b>
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Requirements .....	5
Annex A (normative) Electrical isolation test .....	22
Annex B (informative) Rationale for Annex A .....	27
Annex C (normative) Dielectric strength test .....	29
Annex D (informative) Rationale for Annex C .....	35
Annex E (normative) Current-carrying test high voltage types .....	39
Annex F (informative) Rationale for Annex E .....	44
Annex G (informative) Lead connector fatigue strength test .....	46
Annex H (informative) Lead connector seal zone materials .....	47
Annex I (informative) Seal zone creep .....	49
Annex J (informative) Contact resistance stability .....	54
Annex K (informative) Rationale for Annex J .....	58
Annex L (informative) Selection of contact materials .....	60
Annex M (normative) Lead connector contact material requirements .....	62
Annex N (informative) Rationale for Annex M .....	66
Annex O (informative) Rationale for requirements in this International Standard .....	72
Annex P (informative) Connector products (e.g. adaptors, extenders, patient cables, etc.) .....	79
Bibliography .....	81