

DIN EN 14908-2:2014-08 (E)

Open Data Communication in Building Automation, Controls and Building Management - Control Network Protocol - Part 2: Twisted Pair Communication; English version EN 14908-2:2014

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Network overview	5
4	System specifications	5
4.1	General aspects	5
4.2	Cable	5
4.3	Topology	5
4.3.1	Free or bus topology	5
4.3.2	Repeater	6
4.4	Cable termination	6
4.4.1	Free-topology segment	6
4.4.2	Bus topology segment	6
4.5	Segment configuration	6
4.6	Power specifications	7
5	Link power	7
5.1	General	7
5.2	Source	7
5.3	Power supply requirements	8
5.4	Passive coupler circuit	11
6	Node specifications	12
6.1	Link power	12
6.2	Hot plugging	12
6.3	Transmitter/receiver interface to the MAC sub-layer	13
6.3.1	Physical layer protocol data unit	13
6.3.2	Frame format	13
6.3.3	Transmit waveform	14
6.4	Impedance	16
7	Communication parameters	17
Annex A (informative)	Environmental specifications	19
Bibliography		20