

DIN EN 14908-2:2006-01 (E)

Open Data Communication in Building Automation, Controls and Building Management - Control Network Protocol - Part 2: Twisted Pair Communication; English version EN 14908-2:2005

Inhalt	Seite
Foreword	3
Introduction.....	5
1 Scope	6
2 Normative References.....	6
3 Network Overview	6
4 System Specifications	6
4.1 General Aspects	6
4.2 Cable.....	6
4.3 Topology	7
4.3.1 Free or Bus Topology	7
4.3.2 Repeater	7
4.4 Cable Termination	7
4.4.1 Free-topology Segment	7
4.4.2 Bus Topology Segment	7
4.5 Segment Configuration.....	8
4.6 Power Specifications	8
5 Link Power	9
5.1 General	9
5.2 Source	9
5.3 Power Supply Requirements.....	10
5.4 Passive Coupler Circuit	12
6 Node Specifications	13
6.1 Link Power	13
6.2 Hot Plugging	13
6.3 Transmitter/Receiver Interface to the MAC Sub-Layer.....	14
6.3.1 Physical Layer Protocol Data Unit.....	14
6.3.2 Frame Format.....	14
6.3.3 Transmit Waveform	15
6.4 Impedance.....	18
7 Communication Parameters.....	19
Annex A (informative)	20
Environmental Specifications	20
Bibliography.....	21