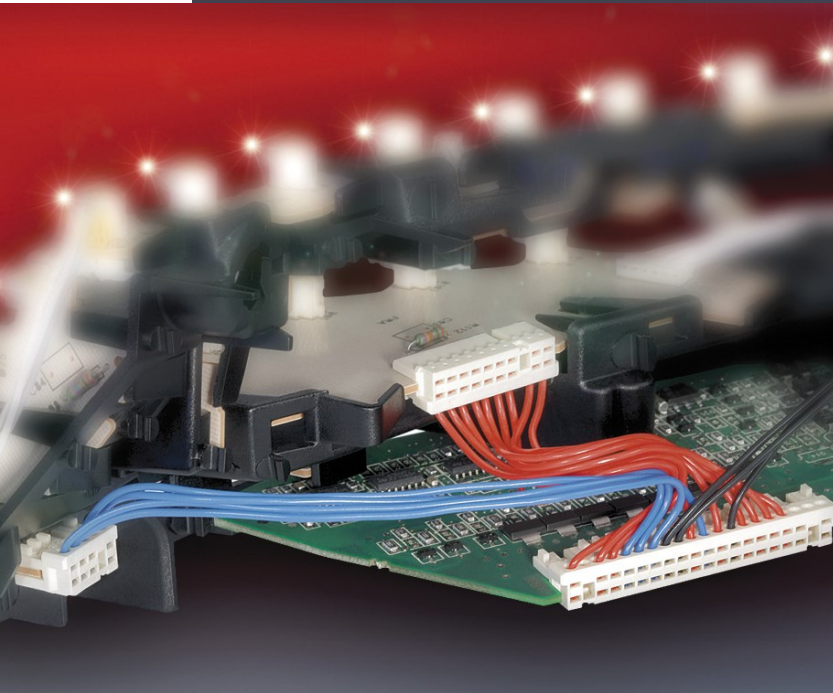




STOCKO CONTACT GmbH & Co. KG

A member of the Wieland group

AUTOMOTIVE



Product and IDC Presentation

www.stocko-contact.com

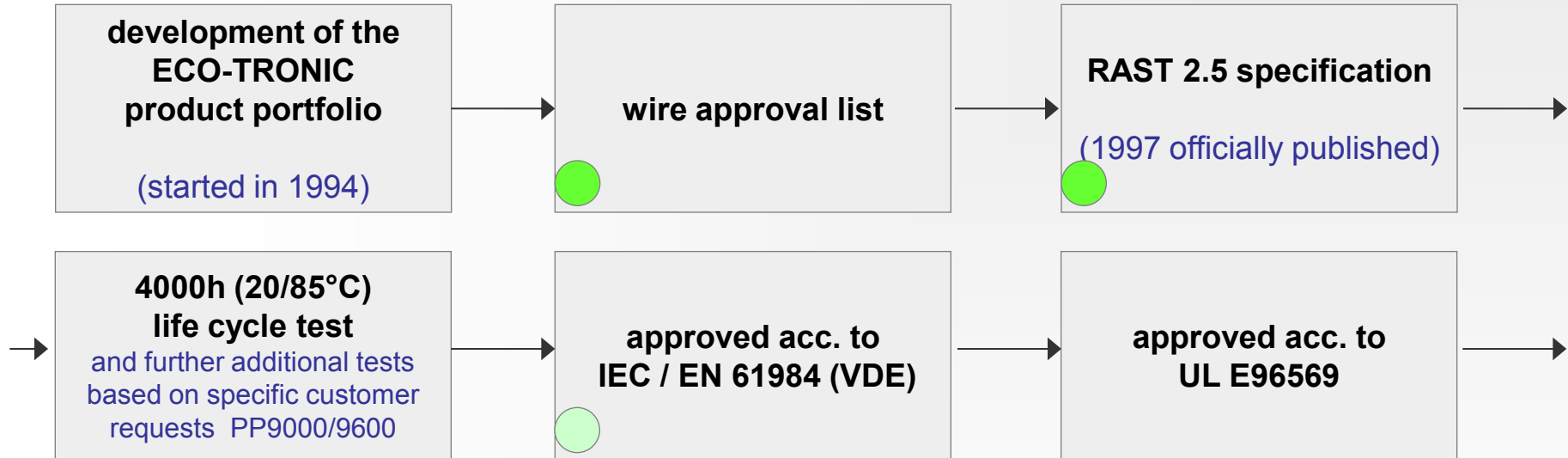
- Wire to board connector series ECO-TRONIC
- IDC technology basic information



History and present approvals for the connectors system ECO-TRONIC



National and international markets, e. g. Domestic appliance, HVAC, Industry



Requested and available approvals, tests and information for the Automotive- market





Group A	Standard requirements	realized STOCKO AK-tests
PG 0	Incoming Inspection	passed*
PG 1	Dimensions	passed* / measuring are not reported separately (dimensions see ISIR)
PG 2	Material and plating analysis, contacts	passed*
PG 3	Material and plating analysis, housing	passed*
PG 4	Dimensional contact security	passed*
PG 5	Contact force diagram	passed*
PG 6	Reciprocation between housing and contacts	completed* / for the fitting of contacts in housing chambers became tested
PG 7	Handling and functional security of housing	passed*
PG 8	Insertion and holding forces of contact elements	passed* / for PG 8 the tests from E8.2.1 onwards are not applicable
PG 9	Plug-in angle	passed*
PG 10	Protection against contact widening	passed*





Group A	Standard requirements	realized STOCKO AK-tests
PG 11	Insertion a. withdrawal forces, mating cycles, wire extraction force	passed*
PG 12	Derating	PG not possible by system conditions
PG 13	Derating influence of housing	passed*
PG 14	Thermal time constant	passed* / PG tested only with housing
PG 15	Electrical Stress Test	passed*
PG 16	Fretting Corrosion	passed*
PG 17 A	Dynamical Stress	passed* / PG was performed with different wires
PG 18	Coastal Climate Stress	passed*
PG 19	Environmental Simulation	passed*
PG 20 A	Climate Stress to housing	passed*
PG 21 A	Long time temperature tests	passed*
PG 22 A	Chemical Resistance	PG will not become tested, possible on request
<p>PGxxA is suitable for connectors with less requirements. Connector series ECO-TRONIC is classified in this group. Connectors with raised requirements or watertight connectors will be additionally tested acc. to groups PG xx B, PG xx C and/or PG xx D.</p>		<p>*) The tests are performed with contact RFB 8109.03, material Cu-alloy, selective gold plating. The test reports are provided on request. Furthermore, at present other materials and finishes will be tested.</p>

