

ttieurope.com

Commercial & Off-road Vehicle Application Guide (Connector & Electromechanical)

TTI, Inc., – A Berkshire Hathaway Company



ttieurope.com



The Specialist in Electronic Component Distribution



**Global Distribution Centres
with more than 120,000m²
of automated warehousing
in North America, Europe
and Asia.**

Why Choose TTI?

Founded in 1971, TTI has steadily grown to become a world leading specialist distributor of electronic components. The company was founded on the premise that passive component purchasing could be made more efficient by offering product specialization, customer-driven service and proprietary supply chain solutions.

Global Distribution Centres

Our European headquarters is located just outside of Munich, Germany in Maisach-Gernlinden. In total, we have 35.000m² of dedicated warehouse space and local sales and technical support in over 40 locations across Europe. TTI has more than 120,000m² of automated warehousing in North America, Europe and Asia. All are linked into a global warehouse management system that provides superior customer service and overall business efficiencies. Wherever you are in the world, TTI can support you.

Year after year, customers rate our inventory availability, on-time delivery and accuracy among the very best in the industry – contact us today to find out what a true specialist has to offer.

Quality and Reliability

TTI's global warehouses are all ISO-registered and have received certification to the ISO 9001 and ISO 14001 Standards. TTI Europe is also certified to EN9120/EN9100, IECQ-CECC and ISO/IEC 27001 Standards. Additionally, our European sales branches are ISO 9001 certified. TTI has one global documentation system that ensures that every TTI branch and warehouse in the world follows the same processes.





Commercial & Off-road Vehicle Applications

Agriculture

- Tractors
- Lawn mowers
- Harvesting equipment
- Spraying machines
- Haymaking equipment
- Sowing machines
- Transporters

Construction & Mining

- Backhoe loaders
- Bulldozers
- Compact loaders
- Concrete equipment
- Drilling equipment
- Excavators
- Graders
- Rigid haulers
- Road building machines
- Wheeled loaders

Material Handling

- Aerial work platforms
- Automated guided vehicles
- Cranes
- Forklifts
- Lift trucks
- Powered lifts
- Telescopic handlers

Recreational Vehicles (Motorcycles)

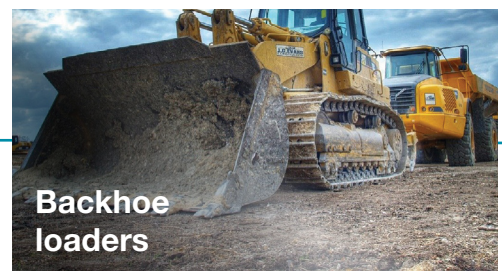
- Boat & marine
- Ships
- Ferries
- Golf carts
- Campervans
- All-Terrain Vehicles (ATV)
- Snowmobiles



Lawn mowers



Harvesting equipment



Backhoe loaders



Excavators



All-Terrain Vehicles (ATV)



Snowmobiles

Connectors



<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>
<p>Armor IPX™</p>	<p>AT Series Panel Mate</p>	<p>DURAMATE™</p>	<p>Ecomate Aquarius</p>
			
<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>	<p>Amphenol®</p>
<p>HeavyMate</p>	<p>HS-LOK Series</p>	<p>M Series</p>	<p>X-LOK</p>
			
<p>• APTIV •</p>	<p>• APTIV •</p>	<p>• APTIV •</p>	<p>• APTIV •</p>
<p>CMC Series</p>	<p>CTCS Connection System</p>	<p>HES Series</p>	<p>OCS Series</p>
			
<p> ITT <small>cannon</small></p>	<p> ITT <small>cannon</small></p>	<p> ITT <small>cannon</small></p>	<p> ITT <small>cannon</small></p>
<p>APD Connectors & Modular Interface</p>	<p>CA-Bayonet</p>	<p>CTC Series</p>	<p>Trident Series Connectors</p>
			

Connectors & Antennas



<p>molex</p>	<p>molex</p>	<p>molex</p>	<p>molex</p>
<p>Brad HarshIO Modules</p>	<p>Brad M12/M8 Field Attachable Connectors</p>	<p>mPm DIN Valve Connectors</p>	<p>MX150™ Twist-Lock Sealed Bulkhead Connectors</p>
			
			
<p>UTS Series</p>	<p>UTO Series</p>	<p>Clipper Series</p>	<p>851 Series</p>
			
			
<p>AMPSEAL Connectors</p>	<p>Circular Plastic Connectors</p>	<p>DEUTSCH Connectors</p>	<p>HDSCS Connectors</p>
			
			
<p>Heavy Duty Connectors with Dynamic Inserts</p>	<p>M8/M12 Sensor Cable Assemblies</p>	<p>Cellular+GNSS+WLAN combination antenna</p>	<p>5G MIMO Antenna</p>
			

Electromechanical



<p>Panasonic INDUSTRY</p>	<p>Sensata Technologies · Crydom</p>	<p>TDK</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>
<p>AQ PhotoMOS Relays</p>	<p>DC100-Power Plus Series</p>	<p>High-Voltage Contactors EV</p>	<p>Power PCB Relay RTX</p>
			
<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>TE connectivity AUTHORIZED DISTRIBUTOR</p>	<p>APEM an IDEC company</p>	<p>APEM an IDEC company</p>
<p>High Current Relay 75A & 200A Automotive Relays V23230 / V23232</p>	<p>KILOVAC EV 600 Contactors</p>	<p>IDEC Enable Switches</p>	<p>Joysticks-XD Series</p>
			
<p>APEM an IDEC company</p>	<p>APEM an IDEC company</p>	<p>C&K</p>	<p>C&K</p>
<p>KL Series</p>	<p>Push Buttons FP, IP, IA-IP69K</p>	<p>APB, PNP, PT Series</p>	<p>ATP 19 & 22 Series</p>
			
<p>C&K</p>	<p>C&K</p>	<p>Honeywell</p>	<p>Honeywell</p>
<p>K12S Family</p>	<p>PNP Series Sealed Pushbutton Switches</p>	<p>Commercial-Grade Sealed Toggle Switches</p>	<p>MICRO SWITCH™ Compact Limit Switches (NGC)</p>
			

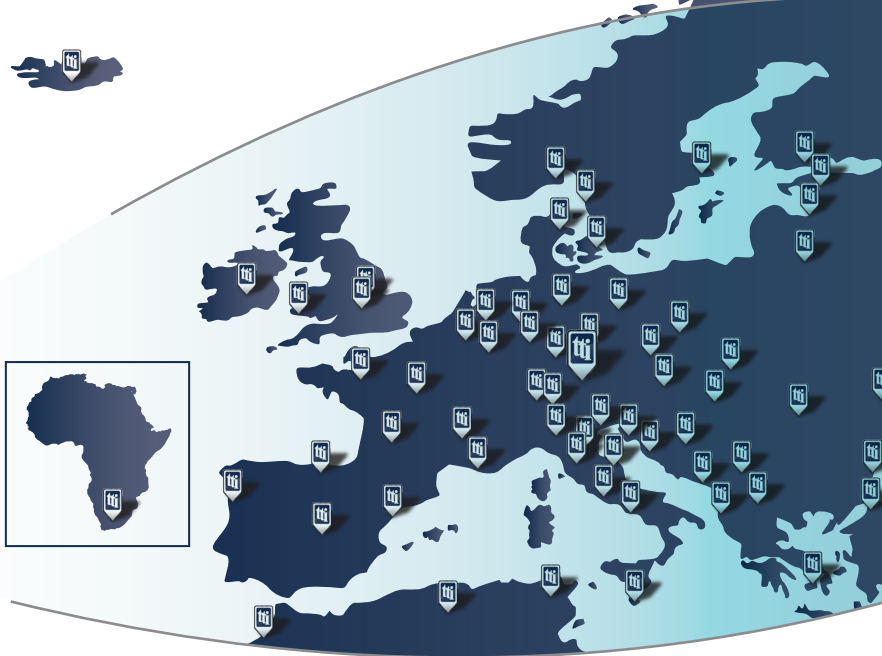
Power & Sensors



	 <small>INNOVATOR IN ELECTRONICS</small>	 <small>INNOVATOR IN ELECTRONICS</small>	 Advanced Sensors
<p>HEP Series</p>	<p>Encapsulated DC-DC Converters IRH & IRQ Series</p>	<p>MGJ Series</p>	<p>EMI Protected NTC Thermistors</p>
			
 Advanced Sensors			
<p>AAS CO2 Gas Sensor for HVAC T6713 or T6717</p>	<p>IPS Pressure Sensor Heavy Duty</p>	<p>MTS 360/PST-360 Contactless Position Sensors</p>	<p>MIPS Pressure</p>
			
	 <small>INNOVATOR IN ELECTRONICS</small>	 <small>INNOVATOR IN ELECTRONICS</small>	 • BEI Sensors <small>Technologies</small>
<p>Transportation Attitude Reference System (TARS)</p>	<p>3D MEMS Technology Accelerometers</p>	<p>3D MEMS Technology Gyro Sensors</p>	<p>T Series CAN Open Interface and DS9860 Series</p>
			
 • BEI Sensors <small>Technologies</small>	 <small>AUTHORIZED DISTRIBUTOR</small>	 <small>AUTHORIZED DISTRIBUTOR</small>	
<p>9360 Series-Dual Output Hall Effect Rotary Position Sensor</p>	<p>DOG2 Inclinator CANbus Output</p>	<p>Compact Industrial Pressure Transducer</p>	<p>20 LHE Series</p>
			



ttiurope.com



Contact TTI today to see what a true specialist can offer.

Corporate Headquarters

TTI, Inc.
2441 Northeast Parkway, Fort Worth, Texas 76106 U.S.A.
T: +1 817 740 9000 | F: +1 817 740 9898
E: information@ttiinc.com

European Headquarters

TTI, Inc.
Ganghoferstr. 34, 82216 Maisach-Gernlinden Germany
T: +49 (0) 81 42 66 80 0 | F: +49 (0) 81 42 66 80 490
E: sales@de.ttiinc.com

European Sales Offices

Austria

Vienna
T: +43 (0) 18 79 85 90
E: sales.vienna@at.ttiinc.com

Belgium

Gent
T: +32 9 274 0670
E: sales.benelux@nl.ttiinc.com

Bulgaria

Varna
T: +359 52 51 10 59
E: sales.varna@bg.ttiinc.com

Czech/Slovak Republic

Brno
T: +420 541 126 714
E: sales.brdg@cz.ttiinc.com

Denmark

Brondby
T: +45 (0) 43 29 35 35
E: sales.copenhagen@dk.ttiinc.com
Risskov
T: +45 (0) 38 41 31 00
E: sales.copenhagen@dk.ttiinc.com

Estonia

Tallinn
T: +372 664 81 00
E: sales.estonia@ee.ttiinc.com

Finland & Baltic Region

Espoo
T: +358 98 94 65 200
E: sales.finland@fi.ttiinc.com

France

Brive
T: +33 (0) 5 55 92 92 93
E: sales.france@fr.ttiinc.com
Bron
T: +33 (0) 472 81 2030
E: sales.lyon@fr.ttiinc.com
Bruz
T: +33 (0) 2 99 77 60 84
E: sales.rennes@fr.ttiinc.com
La Ciotat
T: +33 (0) 442 84 4142
E: sales.marseille@fr.ttiinc.com
Montigny Le Bretonneux
T: +33 (0) 130 13 7380
E: sales.paris@fr.ttiinc.com

Germany

Berlin
T: +49 (0) 30 8877 40 200
E: sales.berlin@de.ttiinc.com
Dortmund
T: +49 (0) 2301 91 304 0
E: sales.dortmund@de.ttiinc.com
Frankfurt
T: +49 (0) 6102 5999 100
E: sales.frankfurt@de.ttiinc.com
Hanover
T: +49 (0) 5 11 7 80 59 0
E: sales.hannover@de.ttiinc.com
Munich
T: +49 (0) 81 42 66 80 110
E: sales.munich@de.ttiinc.com
Nuremberg
T: +49 (0) 911 9520 0
E: sales.BDG@de.ttiinc.com
Pforzheim
T: +49 (0) 7231 14788 0
E: sales.stuttgart@de.ttiinc.com

Hungary

Budapest
T: +36 1 40 22 111
E: sales.budapest@hu.ttiinc.com

Ireland

T: +44 (0)1494 460000
E: sales.ireland@ie.ttiinc.com

Israel/Ray-Q Ltd.

Airport City
T: +972 3 975 3333
E: sales@ray-q.com

Italy

Civitanova Marche
T: +39 0733 81 8655
E: sales.milan@it.ttiinc.com
Florence
T: +39 (0) 55 094 63 76
E: sales.milan@it.ttiinc.com
Milan
T: +39 02 822 521
E: sales.milan@it.ttiinc.com
Naples
T: +39 081 4245719
E: sales.milan@it.ttiinc.com

Padova

T: +39 049 7802311
E: sales.milan@it.ttiinc.com

Rome

T: +39 0774 57 1302
E: sales.rome@it.ttiinc.com

Netherlands

Eindhoven
T: +31 (0) 40 290 1616
E: sales.benelux@nl.ttiinc.com

Norway

Drammen
T: +47 (0) 92 66 87 66
E: sales.norway@no.ttiinc.com

Poland

Kwidzyn
T: +48 (0) 55 279 67 57
E: sales.poland@pl.ttiinc.com

Portugal

Vila Nova de Famalicao
T: +351 252 493084
E: sales.barcelona@es.ttiinc.com

Romania

Cluj Napoca
T: +40 (0) 733 339 002
E: sales.romania@ro.ttiinc.com

South Africa

Pretoria
T: +27 86 111 2844
E: sales.southafrica@za.ttiinc.com

Spain

Barcelona
T: +34 (0) 93 645 25 75
E: sales.barcelona@es.ttiinc.com
Madrid
T: +34 (0) 91 416 11 90
E: sales.madrid@es.ttiinc.com
Vizcaya
T: +34 (0) 94 623 25 80
E: sales.bilbao@es.ttiinc.com

Sweden

Gothenburg
T: +46 (0) 31 741 12 90
E: sales.gothenburg@se.ttiinc.com
Stockholm
T: +46 (0) 8 594 11 800
E: sales.stockholm@se.ttiinc.com

Switzerland

Baar
T: +41 (0) 41 76741 90
E: sales.swiss@ch.ttiinc.com

Algeria, Egypt & Tunisia

T: +216 (0) 71 862 693
E: sales.tunis@fr.ttiinc.com

Morocco

T: +33(0) 555 92 92 93
E: sales.morocco@de.ttiinc.com

Turkey

Istanbul
T: +90 (0) 216 688 91 75 76
E: sales.turkey@tr.ttiinc.com

United Kingdom

High Wycombe
T: +44 (0)1494 460000
E: sales.london@uk.ttiinc.com
Manchester
T: +44 (0)161 872 2019
E: sales.london@uk.ttiinc.com

Resellers or Distributors

TTI Connect - Europe
T: +49 8142 6680 168
E: service@tticonnect.com

TTI, Inc. Headquarters Europe



www.tuev-sued.de/ms-zert



IECQ-P BSI 14.0013 (Germany)
IECQ-P BSI 14.0013-02 (Basildon)
www.iecq.org