

# MARINE



# PIHER SENSING SYSTEMS

Piher is a specialist manufacturer of Sensors & Controls with more than **60 years of know-how** and presence worldwide.

Since 1950 we are key partner for electronic sensors and contro

**Automotive, Heavy Equipment & Transportation, Industrial, Medical, Marine and Appliance** markets.



We excel in providing to our customers **high precise solutions**, including a wide range of technologies as **Hall effect, Inductive & Printed electronics** in difference substrates.

We are part of **Amphenol Corporation**, a worldwide leader Company in the electronic market. Thanks to this integration, Piher is supporting with uncompromising attitude towards achieving **technological and service leadership**, as well as solid financial strength and stability thus ensuring efficient, low cost production, **product innovation** and continuity of investment in long-term research and

Thanks to our **deep focus in R&D** we enhance our customers with both custom or standard products according to their needs.

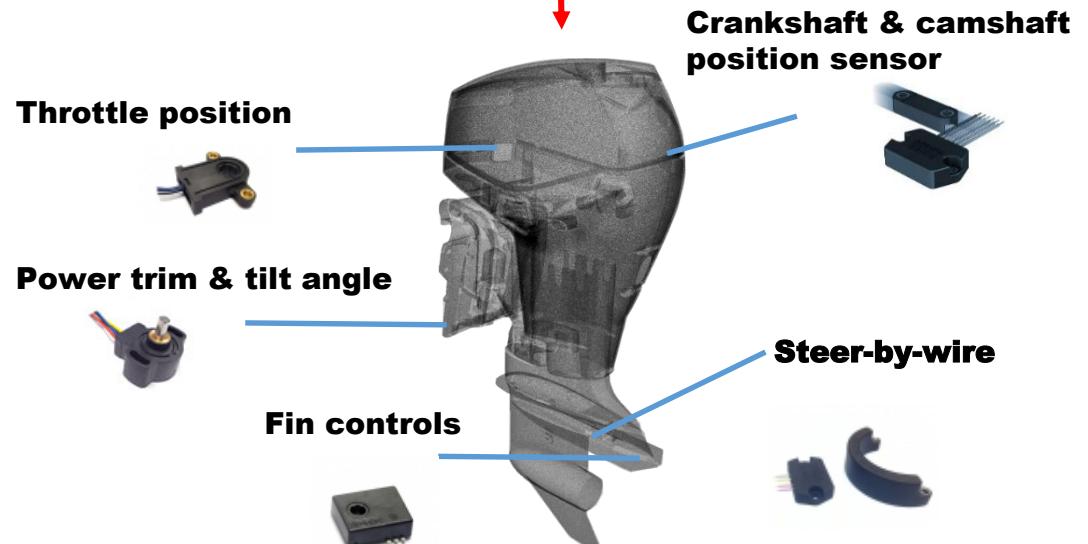
We are delighted of supporting your development. So please, **contact us & let us support to provide you with and outstanding solution**



### Throttle/joystick control marine



**Amphenol  
Sensors**



**PIHER** *sensing* systems



	MTS-360	MTS-360PCB	PST360	PSC-360U	PSC360	PS2P-CON	PS2P-LIN	PS2P-ARC					
<b>Type</b>	Rotary				Linear		Rotary						
<b>Output</b>	Analog (ratiometric) PMW,SPI,CAN J1939												
<b>Rendundancy</b>	Yes												
<b>Resolution</b>	Analog/PMW: 12 bits ; Serial(SPI):14bits												
<b>Linearity</b>	$\pm 1\%$ absolute $\pm (0,5\%$ upon request)												
<b>Supply Voltage</b>	5V		5V-From 12 up to 25V										
<b>Supply Current</b>	Typ 8.5mA for single versión. Typ 17mA for redundant version												
<b>Voltage Protection</b>	+20V over voltage protection -10 V reverse voltage protection		+10V over voltage protection and -10V reverse voltage protection										
<b>Rotational life</b>	Up to 50M cycles					Virtually unlimited							
<b>Switch output</b>	Yes,programmable												
<b>Measurement range</b>	Up to 360°						Standard higher upon request	Custom					
<b>Redundancy</b>	Yes												
<b>Diameter size</b>	Ø Hollow shaft:4mm	Ø Through hole 14mm or 17 mm	Ø Shaft 6,35mm	Ø Shaft:6mm	Air gap	Nominal airgap 3mm Higher air gap upon request	Customizable air gap						
<b>Mounting</b>	SMD mount	Flange connector	Flange/Fly lead harness Integrator connector	Flange/PCB	Flange/Fly lead harness Available Upon Request	Flange/Fly lead harness Other Upon Request	Flange/Fly lead harness Other Upon Request	Flange/Fly lead harness Other Upon Request					
<b>Sealing</b>	IP50		Hard-epoxy for harsh environments										
<b>Datasheet</b>	<a href="https://www.piher.net/MTS-360">https://www.piher.net/MTS-360</a>	<a href="https://www.piher.net/MTS-360PCB">https://www.piher.net/MTS-360PCB</a>	<a href="https://www.piher.net/PST-360">https://www.piher.net/PST-360</a>	<a href="https://www.piher.net/PSC-360U">https://www.piher.net/PSC-360U</a>	<a href="https://www.piher.net/PSC-360">https://www.piher.net/PSC-360</a>	<a href="https://www.piher.net/PS2P-CON">https://www.piher.net/PS2P-CON</a>	<a href="https://www.piher.net/PS2P-LIN">https://www.piher.net/PS2P-LIN</a>	<a href="https://www.piher.net/PS2P-ARC">https://www.piher.net/PS2P-ARC</a>					

# TELL US WHAT YOU NEED



**PIHER** *sensing*  
systems  
an **Amphenol®** company

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Automotive



Off road Vehicles



Industrial



Marine



Home & Building  
automation



Appliance

**Amphenol Sensors**

*Delivering Value-Add*



*Sensors*

IATF 16949:2016



BSI Certificate Number: 585584  
IATF Number: 0327014

ISO 9001:2015



BSI Certificate Number: FM 596631 Certificate Number:  
ES093953-1

