	TI4300en	Product Information									
PPI	1- Series (P)		Water Pressure Se	ensor		TIJO	asia pacific				
			with Active Outp	but							
The	PPI1- Series (P)	s designed to measure water	pressure in								
н	IVAC systems with	light aggressive liquids and r	refrigerants								
The											
Ine	sensor is tempera	ature compensated									
The	sensor operates	with low power supply				10					
The	control output is a	active									
Use	Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System										
	Pressure me	Pressure measurement in HVAC water systems									
	Used in all co	ommon HVAC applications									
	Used in Com	mercial and Industrial Buildin	gs								
	Sensor with a	active output									
	Temperature	compensated, high precision	device								
sez											
eatu	Strong anti-ir	Strong anti-interference ability, perfect long-term stability									
	Professional and practical product design, withstands rough environmental conditions										
	Easy to use,	install and maintain									
	Order Cod	e Power Supply	Pressure Range	Output Signal	Accuracy	IP Protection	Measuring Membrane				
	PPI1.BAa	1	01bar	420mA 010V 0	<= 0.5% Full Scale	IP67	Performance Stainless Steel				
	PPI1.DAa	l	02bar								
	PPI1.EAa	<u> </u>	02.5bar								
	PPI1.FAa	10%	04bar								
	PPI1.GAa		06bar								
	PPI1.HA	C 22	010bar								
			0100ar								
ge	PPI1 L Aa	<	020bar								
Ran	PPI1 MA	<u> </u>	0 60bar								
uct	PPI1.NAa	<u> </u>	0100bar								
rod	PPI1.BDa	1	01bar								
	PPI1.DDa	1	02bar								
	PPI1.EDa	1	02.5bar								
	PPI1.FDa	<u>ب</u>	04bar				db				
	PPI1.GDa	±10,	06bar				Ξ				
	PPI1.HDa	7 }	010bar								
	PPI1.IDa	Q 2	016bar								
	PPI1.KDa	ı 🖸	025bar								
	PPI1.LDa	1	040bar								
	PPI1.MDa	1	060bar								
	PPI1.NDa 0100bar										

	Sensor Specification	Measured	Water Pressure
Sensor Specification		Sensor Characteristics	Active
		Sensor Output (s)	010V / 420mA
		Accuracy	0.5% Full Scale @ 25°C
		Compensated Temperature Range	-10°C+80°C
		Temperature Drift (FS), typically	±0.02% FS / °C
		Long Term Stability	±0.2% FS / Year
		Response Time	<1ms
		Max. Over Pressure	200% of Measuring Range
		Busting Pressure (diaphragm)	300% of Measuring Range
		Medium Temperature Range	-40°C+125°C
		Measuring Range (s)	See Product Range, Page 1
	Electrical Information	Power Supply	
		Type: PPI1.xAa	DC 24V (±10%) or AC 24V (±10%)
		Type: PPI1.xDa	DC 24V (±10%)
		Frequency	50 / 60 Hz at AC 24V
		Insulation Resistant	250ΜΩ
		Terminal Clamp	Plug-in connector
		Power Consumption	
		Type: PPI1.xAa	≤ 0.3VA / AC 24V; ≤ 0.3VA / DC 24V
		Type: PPI1.xDa	≤ 0.5VA / DC 24V
	Mechanical Information	Cable Entry	Angle Plug, DIN 43 650, Construction A
			Inside the housing
	Lloor Interfece		G1/4", male thread
	Color and Matoriala		Plack PA PAL 0017 (Traffia Plack)
		Housing Bottom	US:AISI 304; EU: EN X 6 CrNi 18 10; GER: W.N. 1.301
		Diaphragm	US:AISI 316L; EU: EN/DIN 1.4404
		O- Ring	VITRON©
ч			Black PA, RAL 9017 (Traffic Black)
nati	Environmental Conditions	Operation Temperature	
lor		Operation Humidity	100% r.h., with condensation
allr			-35°C+70°C
hnic		Storago Tomporaturo	< 90% r.n.
Tec		Storage Humidity	- 10 C + 70 C
	New Address (Directions		
	Norms and Directives	IP- Raung	IP67 to IEC60529
		Safety Class	III to EN 60 730
		Product Standard 1	Automatic Electric. Controls for household and similar use
		Product Standard 2	2009/EN 60 730-1
		CE Conformities to	2004/108/EG Electromagnetic Compatibility EMV
		CE Electromagnetic Compatibility Emitted Interference	2000/EN60730-1 Emitted Interference
		CE Electromagnetic Compatibility Interference Resistance	2000/EN60730-1 Interference Resistance
		RoHS Compatibility	RoHS 3 Directive 2015/863
			IEC 60 721-3-3
		Operation Mechanical Condition	IEC 60 721-3-2 to class 2M2
		Storage Climatic Condition	
		Storage Mechanical Condition	IEC 60 721-3-1 to class2M2
llaneous	Accessories	Mounting Kit, Included in delivery	
	Snipping & Handling	winimum Order	i box with i piece
lisce			Rigid Cardboards Packaging
Σ	Order Notes	Urder Code	See Product Range, Page 1, e.g. PPI1.BAa

	stallation Notes						
	Caution Observe the following general regulation for engineering and implementation:						
	All relevant national and heavy power regulations						
	Other country specific regulations						
	Country-specific regulations						
	Local electrical supply authority regulation						
	Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge						
Advices	Third party specifications, e.g. general contractors or constructors						
	ounting Advices						
	○ 6 x Ø 3 x Ø						
	isposal Notes						
	The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.						
	The device may not be disposed as domestic garbage.						
	The device must be disposed through channels provided for this purpose.						
	It is mandatory to complying with local currently applying laws and regulations.						
	PPI1.xAa PPI1.xDa (1) UB+ (DC24V)						
Connection	(3) Output 010V (3) n.a. (3) n.a. (3) n.a.						
	(2) GROUND (2) Output 420mA						
	159						
D	15 hex 24 Radiating fin						
nensional Drawing							
	W20X						
Di							