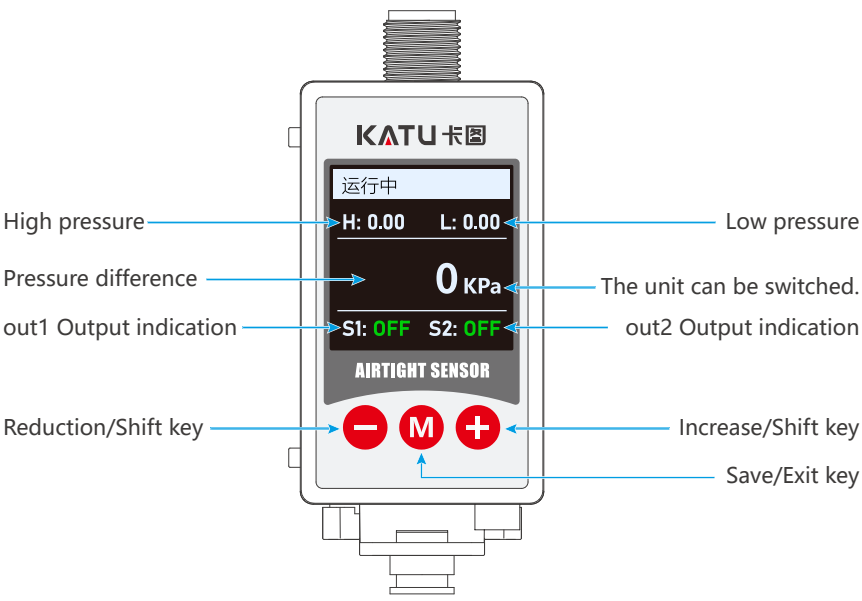
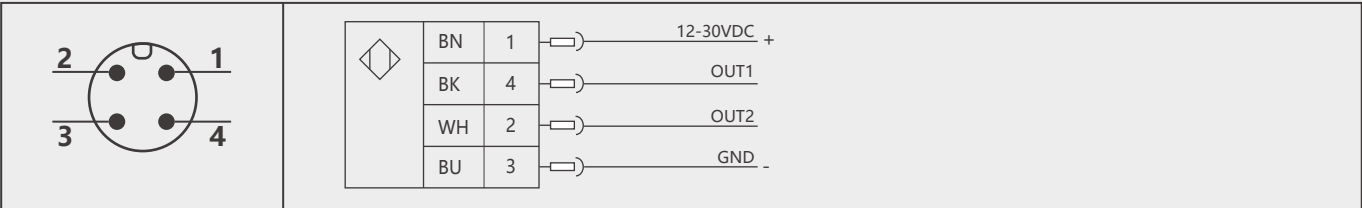




wiring diagram



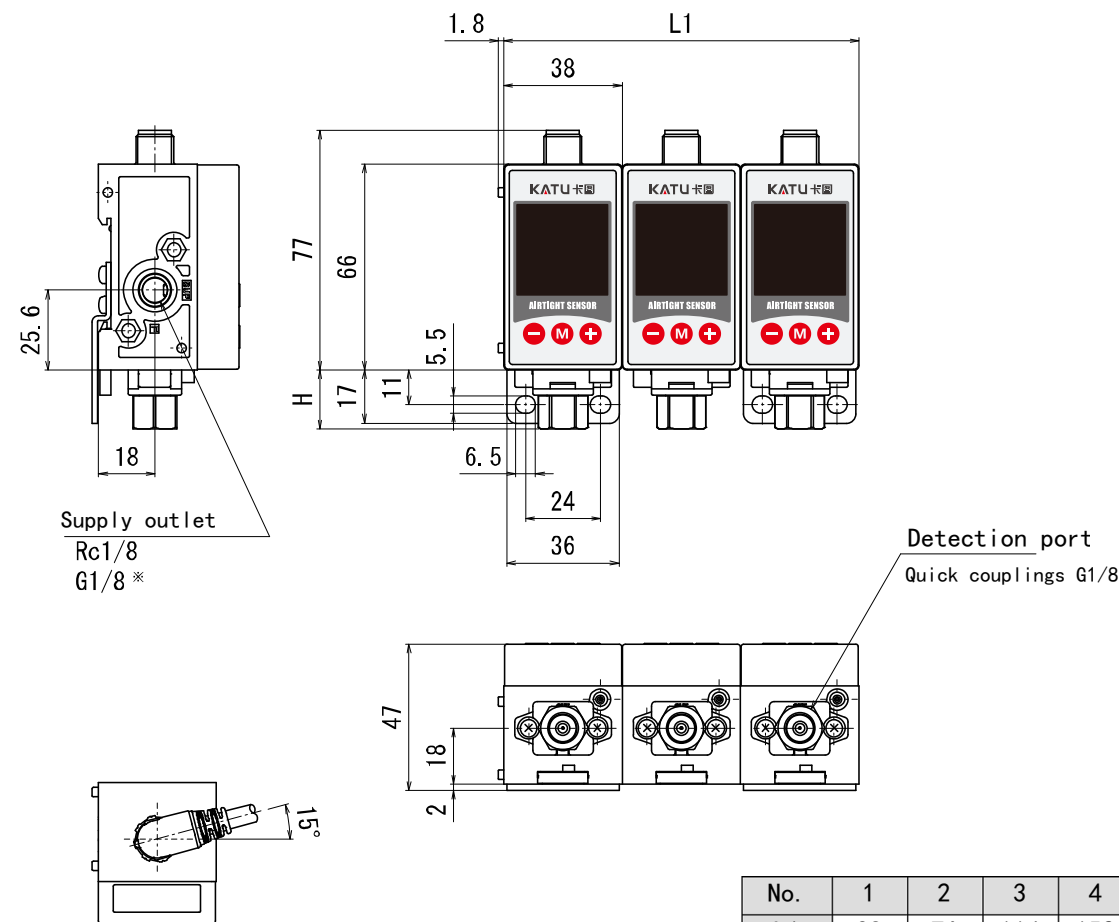
S2: Two-way switch/IO-Link					
color	stitch	Instructions	color	stitch	Instructions
BN	1	power supply (+)	BU	3	power supply (-)
BK	4 (OUT1)	SP1 switch PNP (Factory default) SP1 switch NPN IO-Link	WH	2 (OUT2)	SP2 switch PNP (Factory default) SP2 switch NPN

Technical Specifications

Applicable fluid			Rated distance range		Dry air (with a filtration accuracy of 5 micrometers))	
			Display/setting range (distance reference value)		0.05~0.30mm	
			Minimum display unit (distance reference value)		0~1000	
					1	
OUT1			Rated pressure range		0.0~1000.0kPa	
			Displayable range (pressure value)		-100.0-1000.0kPa	
			Repeatability accuracy		< 0.020mm	
			Temperature characteristics (based on 25℃)		< 0.030mm	
			Hysteresis		Can be adjusted from 0 (factory setting: 0)	
OUT2			Rated pressure range		0.0-1000.0kPa	
			Set pressure range		-0.0-1000.0kPa	
			Minimum display/set unit		10kPa	
			Repeatability accuracy		±0.5%F.S. ±1digit	
			Temperature characteristics (reference at 25℃)		±2%FS.	
			Hysteresis		Can be adjusted from 0.	
Withstanding pressure					1200kPa	
Detection nozzle					Ø1.5*9	
Consumption flow rate					< 30L/min	
Electrical Specification	Power supply Voltage	For applications where it is used as a switch output component			24V ± 10%, with fluctuation of less than 10%	
		For the application scenarios where IO-Link devices are used			DC 18-30V pulsating (p-p) 10% (inclusive)	
	Consumption current			< 30mA		
	Protection			With reverse connection protection		
Switch output					Option for NPN/PNP collector open-collector output	
			Maximum load current		10mA	
			Maximum additional voltage		30.0V	
			Residual voltage		Below 5V (10mA)	
			Short-circuit protection		corresponding	
Display mode					14.4-inch color screen	
Resistant to environmental conditions			Protection level		IP67 level is equivalent to	
			Operating temperature range		During use: 0 - 50℃ When storing: -20 - 70℃ (no condensation, no freezing)	
			Operating humidity range		During operation / When saving: 35 - 85% RH (no condensation)	
			Withstanding voltage		Above 1000V 6 seconds, between all charging components and the housing	
			Insulation resistance		Above 100 MΩ (with a DC 500V megohmmeter), between all charging components and the housing	
Piping specifications		For the occasions with pipe specification C	Supply outlet		Rc1/8	
			Detection port		Ø6 Quick-change connector	
		For the occasions where the pipe specification is F	Supply outlet		G1/8 (in accordance with ISO1179-1 standard)	
			Detection port		G1/8 (in accordance with ISO1179-1 standard)	
Cable		Wire with connectors			Wire with M12-4 connector, 4 cores, Ø4.5mm Conductor outer diameter: 0.72mm, Insulator outer diameter: 1.14mm	
		Concentrated wire			The wire with M12-4 connector has 4 cores and an outer diameter of the insulation: 1.14mm. The central conductor section from position 2 to 3: 8 cores with 0.65mm x 4~6 positions: 14 cores with 0.65mm The outer diameter of the conductor: 0.50mm, the outer diameter of the insulation: 1.00mm (common for positions 2 to 6)	
Weight					100g - 130g (excluding cables and quick connectors)	
Specification					CE Mark (RoHS Directive)	
Communication specification (When in IO-Link mode)			IO-Link type		Equipment	
			IO-Link version		V1.1	
			Communication speed		COM2(38.4kbps)	
			Setting file		IODD file	
			Minimum cycle time		6ms	
			Process data length		Input Data:12byte,Output Data:Obyte	
			Data communication request		corresponding	
			Data storage function		corresponding	
			Event Function		corresponding	

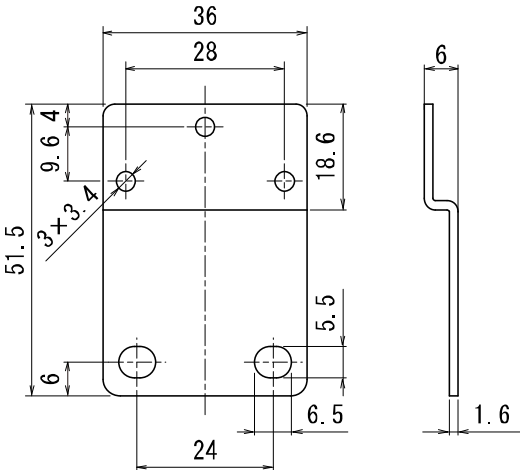
Dimension drawing (mm)

■ (Without control unit, rack-mounted installation)

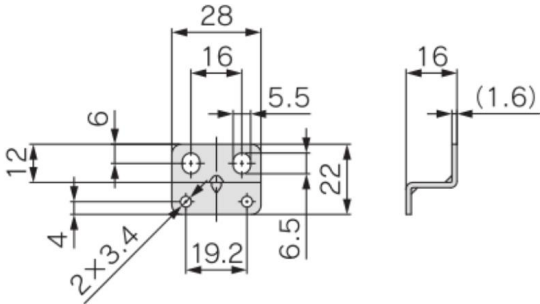


Piping specifications	C (φ4 Connector)	C (φ6 Connector)	F (G Thread)
H	13	13.6	19

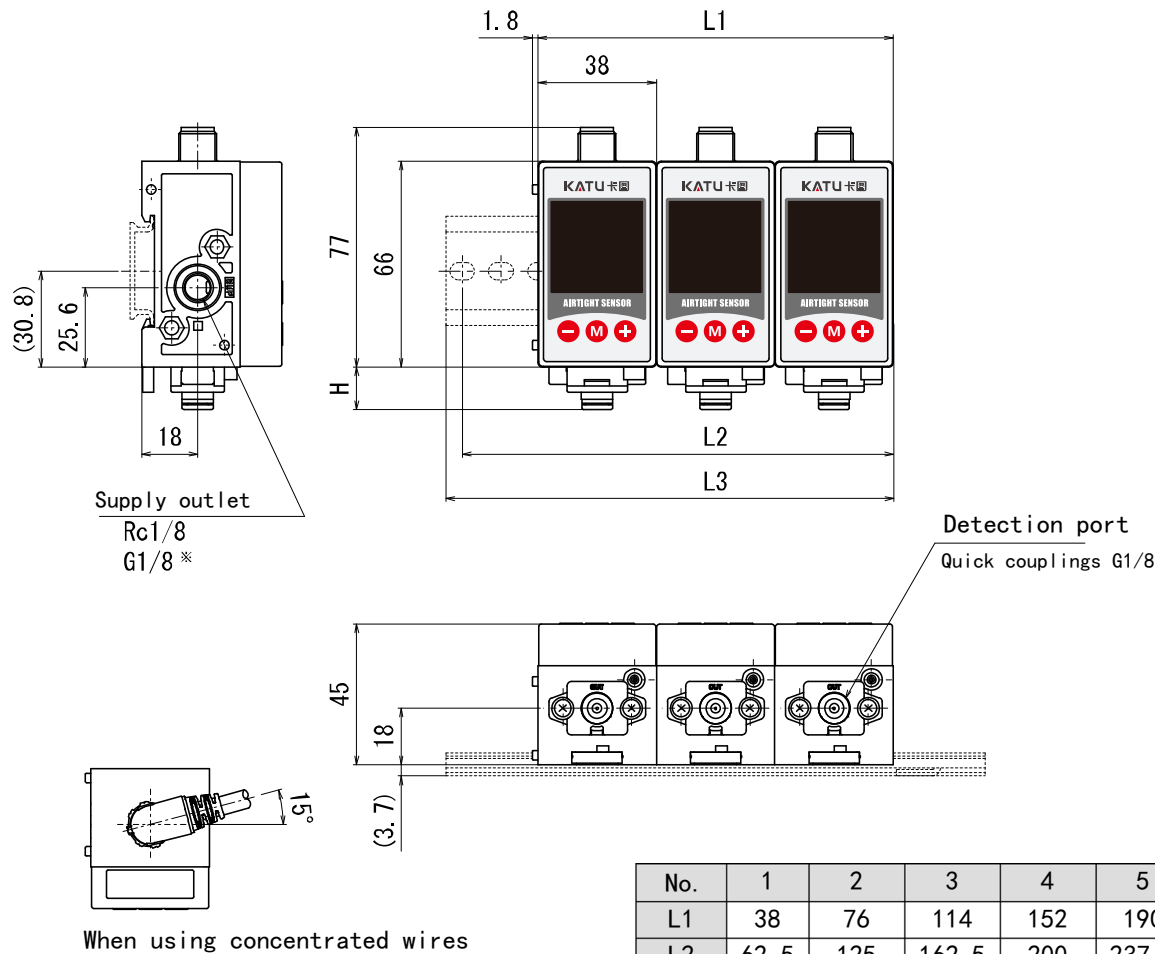
(Frame without control unit)



(With control unit included in the bracket)



(Without control unit, DIN rail installation)



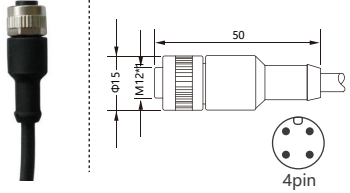
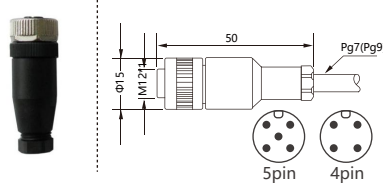
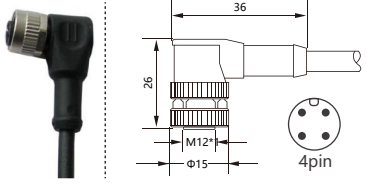
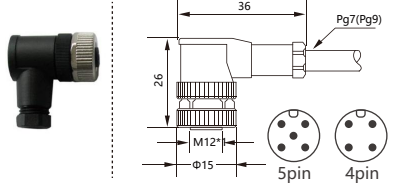
No.	1	2	3	4	5	6
L1	38	76	114	152	190	228
L2	62.5	125	162.5	200	237.5	275
L3	73	135.5	173	210.5	248	285.5

Piping specifications	C (φ 4 Connector)	C (φ 6 Connector)	F (G Thread)
H	13	13.6	19

Selection Table

PS710-	003	A	S2	-	Detailed description
PS710-					PS710 Digital Position Sensor
	003				Rated distance range: 0.01 - 0.03mm
	015				Rated distance range: 0.02 - 0.15mm
	030				Rated distance range: 0.05 - 0.30mm
		A			Piping specifications: Supply side: G1/8 Detection side: ϕ 6 quick-connect adapter
		B			Supply side: G1/8 Detection side: G1/8
			S2		Output signal: Two-channel switch / IO-Link (4-pin plug)
				-	Series: 1 series (Factory default)
				2	Series: 2 series
				3	Series: 3 series
				4	Series: 4 series
				5	Series: 5 series
				6	Series: 6 series

Optional accessories - Electrical accessories (M12-4Pin: Factory default ZL04-PC02G)

name	Outline drawing/dimension drawing (unit :mm)	material	Model number	Shielded wire	M12*1-4Pin/5Pin self-connector/Dimensions (Unit :mm)	Model number
M12*1-4Pin (2m cable)		PUR	ZL04-PU02G	-P		GL04 (4 Pin connector)
M12*1-4Pin (5m cable)			ZL04-PU05G			GL05 (4 Pin connector)
			ZL04-PU010G			
		PVC	ZL04-PC02G			
M12*1-4Pin (10m cable)			ZL04-PC05G			
		PUR	ZL04-PU02W			WL04 (4 Pin connector)
M12*1-4Pin (2m cable)			ZL04-PU05W			WL05 (5 Pin connector)
			ZL04-PU010W			
		PVC	ZL04-PC02W			
M12*1-4Pin (5m cable)			ZL04-PC05W			
M12*1-4Pin (10m cable)			ZL04-PC010W			