

ZSE20□(F)/ISE20□ Series

Made to Order

Please contact SMC for detailed dimensions, specifications, and delivery times.



1 Parts in Contact with Fluid: Stainless Steel 316L

This pressure switch has better corrosion resistance because it uses stainless steel 316L for the parts in contact with fluid (pressure sensor and fitting).

How to Order

ZSE20C(F)/ISE20C — — X500

Enter the standard product number. (Refer to p. 24.)

- * Not applicable to the rated pressure -0.1 to 2 MPa specifications (ISE20CH).
- * A restrictor (equivalent to -X510) is installed inside the fitting. (Piping specifications A2(L) and B2(L) are excluded.)

Specifications

Model	ZSE20C(F)	ISE20C
Withstand pressure	500 kPa	1.5 MPa
Applicable fluid	Liquids and gases do not corrode stainless steel 316L.	

Models other than those above have the same specifications as the standard product.

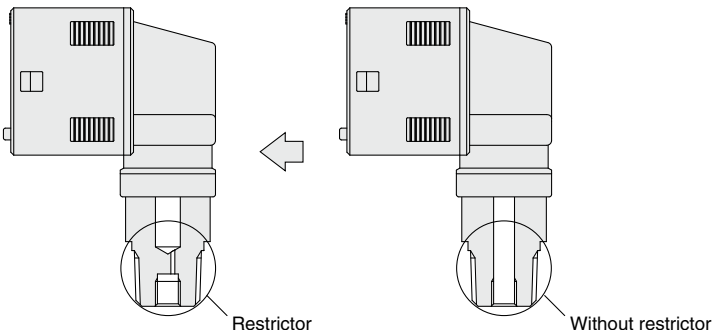
2 Restrictor-installed Fitting

A restrictor is installed inside the fitting in order to reduce the effects of water collision with inertia force in the piping when adsorption is broken.

How to Order

ZSE20C(F)/ISE20C(H) — — X510

Enter the standard product number. (Refer to p. 24.)



Made to Order: “-X510”

Standard

- * Not applicable for piping specifications A2(L) and B2(L).
- * There are cases in which this product will not effectively suppress the effects of water hammer. It is advised that other measures be taken in such cases.

3 Lead Wire with M12 Connector

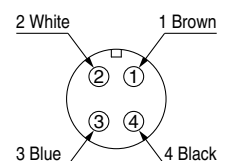
A lead wire applicable to the M12 4-pin pre-wired connector
The lead wire length is 100 mm.

Series	20	20A	20B(-L)	20C
ZS-46-5LM12 (Non-waterproof)	○	○	—	—
ZS-46-5FM12 (Waterproof)	—	—	○	○

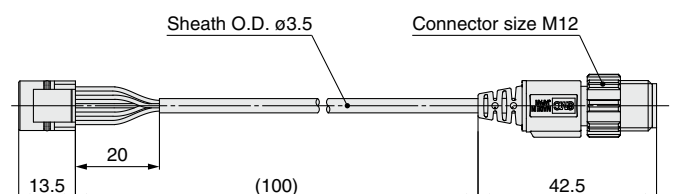
- * If you wish for the sensor (switch body) and the lead wire to be shipped together, please contact SMC.

Body side pin no.	Pin name	Lead wire color	M12 pin no.
1	DC (-)	Blue	3
2	Function	Gray	—
3	OUT (2)	White	2
4	OUT (1)	Black	4
5	DC (+)	Brown	1

Connector pin assignment



- * Nothing is connected to “Function.”
If you intend to make a connection to “Function,” please contact SMC.



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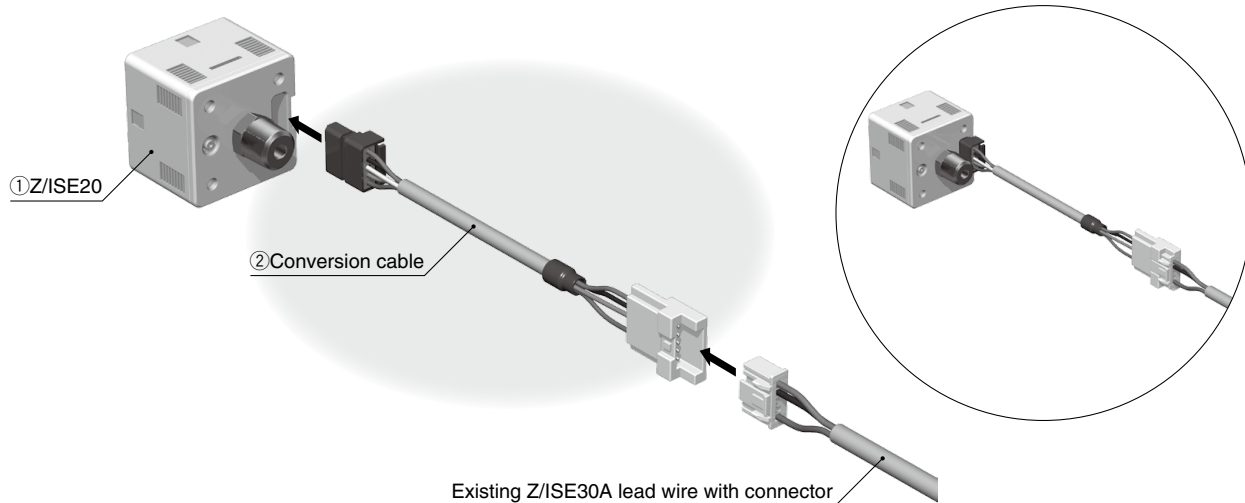
Made to Order

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4 Conversion Cable for the Z/ISE30A Lead Wire with Connector

The conversion cable allows for connection between the existing Z/ISE30A lead wire with connector and the Z/ISE20.



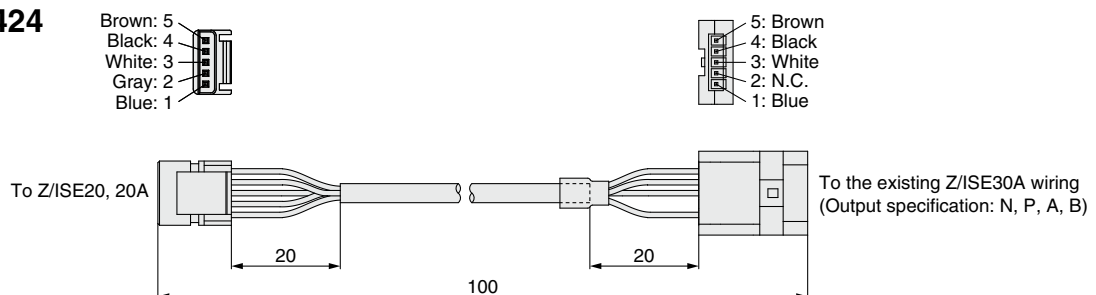
The output specification signal may vary from that of the existing pressure switch.

Z/ISE30A → Z/ISE20 + Conversion cable correspondence table

Existing digital pressure switch model	Output specification	① Pressure switch part no.	② Conversion cable part no.
Z/ISE30A-□-N-□□□□	NPN open collector 1 output	Z/ISE20-N-□-□-□□□□	ZS-46-5LA-X424*1
Z/ISE30A-□-P-□□□□	PNP open collector 1 output	Z/ISE20-P-□-□-□□□□	
Z/ISE30A-□-A-□□□□	NPN open collector 2 outputs	Z/ISE20A-X-□-□-□□□□	
Z/ISE30A-□-B-□□□□	PNP open collector 2 outputs	Z/ISE20A-Y-□-□-□□□□	
Z/ISE30A-□-C-□□□□	NPN open collector 1 output + Analog voltage output	Z/ISE20A-R-□-□-□□□□	ZS-46-5LB-X424*1
Z/ISE30A-D-□□□□	NPN open collector 1 output + Analog current output	Z/ISE20A-S-□-□-□□□□	
Z/ISE30A-E-□□□□	PNP open collector 1 output + Analog voltage output	Z/ISE20A-T-□-□-□□□□	
Z/ISE30A-F-□□□□	PNP open collector 1 output + Analog current output	Z/ISE20A-V-□-□-□□□□	

* While this conversion cable allows for use of the existing wiring, output and functions other than that of the Z/ISE30A will be invalid (not wired).

ZS-46-5LA-X424



ZS-46-5LB-X424

