



Pneumatic Accessories

Not the most important thing, but in any conditions, these pneumatic accessories especially tubing and fittings are necessary in an automation system! Pneumatic accessories keep their function to connect different parts, to transfer the pressure power or to lower the noise from the pneumatic system, so that the pneumatic systems can work smoothly and noiselessly.

E•MC pneumatics & hydraulics has a wide range of pneumatic accessories for different situations, we have different kinds of plastic push in fittings, metal push in fittings, pneumatic connectors, PU tubing, PA tubing, silencers, pressure gauges, air guns, gas springs, pressure switch, all etc. E•MC is also a good OEM pneumatic components maker, we supply all kinds of pneumatic accessories to many local manufacturers in different countries.

A/V/SB/PSU Series Muffler

How to Order?

Series No.	Thread Size		Thread Type
A	M5 : M5		P : PT
V	10-32UNF	20 : 3/4 "	
SB	06 : 1/8 "	25 : 1 "	
PSU	08 : 1/4 "	32 : 1-1/4 "	
	10 : 3/8 "	40 : 1-1/2 "	
	15 : 1/2 "	50 : 2 "	

Order Example:

A Series Muffler,PT1/8" Port size,ERP code: A-06P

Muffler

A Type Muffler	Model	Thread size	Hex.
	A-M5	M5	9
	A-06	1/8"	13
	A-08	1/4"	17
	A-10	3/8"	22
	A-15	1/2"	24
	A-20	3/4"	30
	A-25	1"	36
	A-32	1 1/4"	46
	A-40	1 1/2"	52
	A-50	2"	64

V Type Muffler	Model	Thread size	Hex.
	V-M5	M5	8
	V-06	1/8"	12
	V-08	1/4"	15
	V-10	3/8"	19
	V-15	1/2"	22
	V-20	3/4"	30
	V-25	1"	36

SB Muffler Throttle Valve	Model	Thread size	Hex.
	SB-06	1/8"	12
	SB-08	1/4"	14
	SB-10	3/8"	17
	SB-15	1/2"	24
	SB-20	3/4"	27
	SB-25	1"	34

PSU Type Muffler the lid of the orange, the black body	Model	Thread size	S
	PSU-M5	M5	7
	PSU-06	G1/8	13
	PSU-08	G1/4	17
	PSU-10	G3/8	25
	PSU-15	G3/8	25
	PSU-20	G1/2	37
	PSU-25	G3/4	48
		G1	

ZP Series One Touch-in Fitting

How to Order?

Series No.	O.D. of Tube		Port Size	Thread Type
ZPC	04: 4mm	5/32 : 5/32 "	M5 : M5	P : PT
ZPCF	06: 6mm	3/16 : 3/16 "	M6 : M6	
ZPOC	08: 8mm	1/4 : 1/4 "	01 : 1/8 "	
...	10: 10mm	5/16 : 5/16 "	02 : 1/4 "	
	12: 12mm	3/8 : 3/8 "	03 : 3/8 "	
	14: 14mm	1/2 : 1/2 "	04 : 1/2 "	
	16: 16mm			

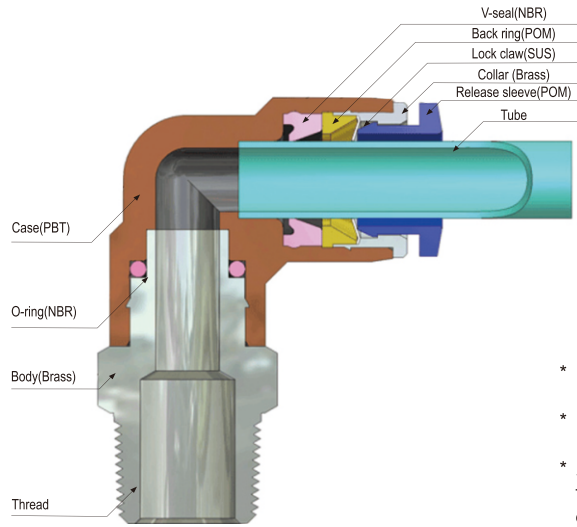
Order Example:

EPC Series One Touch-in Fitting, for 4 mm OD tube, PT1/8" port size, ERP code: ZPC4-01P

Specifications

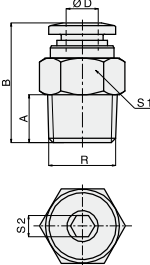
Working medium	Air, Vacuum
Working pressure (MPa)	0~0.8
Guaranteed pressure (MPa)	1.2
Working temperature (°C)	0~60
Tube material	Nylon / PU tube

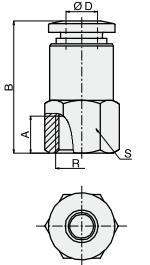
Internal Structure

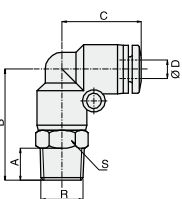


- * One-Touch push-to-connect configuration allows an instant tubing connection.
- * Smooth-Edge release sleeve design facilitates a quick tubing disconnection.
- * Aesthetically pleasing nickel-plated metallic optional feature ensures anti-contamination properties for an extended product life.
- * Pre-applied sealant on all external threads or with o-ring for G thread.
- * Metric and Imperial sizing available.

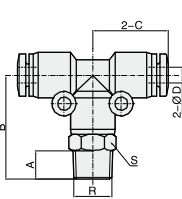
PT-Metric

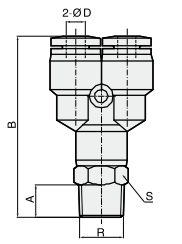
ZPC	Model	D	R	A	B	S1	S2	Main Dimension
	ZPC04-M5	4	M5	4	22	10	2	
	ZPC04-M6	4	M6	4.5	22.5	10	2	
	ZPC04-01	4	PT1/8	7.5	20.2	10	3	
	ZPC04-02	4	PT1/4	9.5	18.5	14	3	
	ZPC06-M5	6	M5	4	22.6	12	2	
	ZPC06-M6	6	M6	4.5	23.1	12	2	
	ZPC06-01	6	PT1/8	7.5	21.1	12	4	
	ZPC06-02	6	PT1/4	9.5	22.1	14	4	
	ZPC06-03	6	PT3/8	10.5	21.1	17	4	
	ZPC08-01	8	PT1/8	7.5	26.4	14	5	
	ZPC08-02	8	PT1/4	9.5	23.9	14	6	
	ZPC08-03	8	PT3/8	10.5	21.9	17	6	
	ZPC08-04	8	PT1/2	13.5	24.4	21	6	
	ZPC10-01	10	PT1/8	7.5	29.5	17	5	
	ZPC10-02	10	PT1/4	9.5	30.8	17	6	
	ZPC10-03	10	PT3/8	10.5	27.7	17	8	
	ZPC10-04	10	PT1/2	13.5	25.5	21	8	
	ZPC12-01	12	PT1/8	7.5	32	20	5	
	ZPC12-02	12	PT1/4	9.5	34	20	6	
	ZPC12-03	12	PT3/8	10.5	30	20	10	
	ZPC12-04	12	PT1/2	13.5	29	21	-	
	ZPC14-02	14	PT1/4	9.5	34.3	22	-	
	ZPC14-03	14	PT3/8	10.5	35.3	22	-	
	ZPC14-04	14	PT1/2	13.5	33.3	22	-	
	ZPC16-02	16	PT1/4	9.5	35.5	24	-	
	ZPC16-03	16	PT3/8	10.5	36.5	24	-	
	ZPC16-04	16	PT1/2	13.5	34.5	24	-	

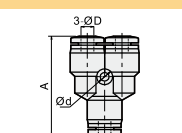
ZPCF	Model	D	R	A	B	S	Main Dimension
	ZPCF04-01	4	PT1/8	8	24.7	12	
	ZPCF04-02	4	PT1/4	11	27.7	17	
	ZPCF06-01	6	PT1/8	8	25.2	12	
	ZPCF06-02	6	PT1/4	11	28.2	17	
	ZPCF06-03	6	PT3/8	12	29.2	20	
	ZPCF06-04	6	PT1/2	14	31.2	24	
	ZPCF08-01	8	PT1/8	8	26.9	14	
	ZPCF08-02	8	PT1/4	11	29.9	17	
	ZPCF08-03	8	PT3/8	12	30.9	20	
	ZPCF08-04	8	PT1/2	14	32.9	24	
	ZPCF10-01	10	PT1/8	8	29.9	17	
	ZPCF10-02	10	PT1/4	11	32.9	17	
	ZPCF10-03	10	PT3/8	12	33.9	20	
	ZPCF10-04	10	PT1/2	14	35.9	24	
	ZPCF12-01	12	PT1/8	8	31.5	20	
	ZPCF12-02	12	PT1/4	11	34.5	20	
	ZPCF12-03	12	PT3/8	12	35.5	20	
	ZPCF12-04	12	PT1/2	14	37.5	24	
	ZPCF14-02	14	PT1/4	11	36	22	
	ZPCF14-03	14	PT3/8	12	37	24	
	ZPCF14-04	14	PT1/2	14	39	24	
	ZPCF16-02	16	PT1/4	11	36	24	
	ZPCF16-03	16	PT3/8	12	37	24	
	ZPCF16-04	16	PT1/2	14	39	24	

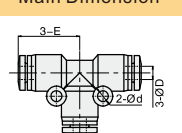
ZPL	Model	D	R	A	B	C	S	Main Dimension
	ZPL04-M5	4	M5	4	22.5	17.7	10	
	ZPL04-M6	4	M6	4.5	23	17.7	10	
	ZPL04-01	4	PT1/8	7.5	25	17.7	10	
	ZPL04-02	4	PT1/4	9.5	27	17.7	14	
	ZPL06-M5	6	M5	4	23.7	19.2	12	
	ZPL06-M6	6	M6	4.5	24.2	19.2	12	
	ZPL06-01	6	PT1/8	7.5	26.2	19.2	12	
	ZPL06-02	6	PT1/4	9.5	28.2	19.2	14	
	ZPL06-03	6	PT3/8	10.5	29.2	19.2	17	
	ZPL06-04	6	PT1/2	13.5	32.2	19.2	21	
	ZPL08-01	8	PT1/8	7.5	29.5	22.6	14	
	ZPL08-02	8	PT1/4	9.5	31.5	22.6	14	
	ZPL08-03	8	PT3/8	10.5	32.5	22.6	17	
	ZPL08-04	8	PT1/2	13.5	35.5	22.6	21	
	ZPL10-01	10	PT1/8	7.5	33.8	27.8	17	
	ZPL10-02	10	PT1/4	9.5	35.8	27.8	17	
	ZPL10-03	10	PT3/8	10.5	36.8	27.8	17	
	ZPL10-04	10	PT1/2	13.5	39.8	27.8	21	
	ZPL12-01	12	PT1/8	7.5	35.5	29.3	19	
	ZPL12-02	12	PT1/4	9.5	37.5	29.3	19	
	ZPL12-03	12	PT3/8	10.5	38.5	29.3	19	
	ZPL12-04	12	PT1/2	13.5	41.5	29.3	21	
	ZPL14-02	14	PT1/4	9.5	39.5	30.6	24	
	ZPL14-03	14	PT3/8	10.5	40.5	30.6	24	
	ZPL14-04	14	PT1/2	13.5	43.5	30.6	24	
	ZPL16-02	16	PT1/4	9.5	42	33.3	24	
	ZPL16-03	16	PT3/8	10.5	43	33.3	24	
	ZPL16-04	16	PT1/2	13.5	46	33.3	24	

PT-Metric

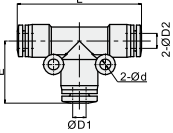
ZPB	Model	D	R	A	B	C	S	Main Dimension
	ZPB04-M5	4	M5	4	23.5	18.7	10	
	ZPB04-M6	4	M6	4.5	24	18.7	10	
	ZPB04-01	4	PT1/8	7.5	26	18.7	10	
	ZPB04-02	4	PT1/4	9.5	28	18.7	14	
	ZPB06-M5	6	M5	4	24	19.7	12	
	ZPB06-M6	6	M6	4.5	24.5	19.5	12	
	ZPB06-01	6	PT1/8	7.5	26.5	19.5	12	
	ZPB06-02	6	PT1/4	9.5	28.5	19.5	14	
	ZPB06-03	6	PT3/8	10.5	29.5	19.5	17	
	ZPB06-04	6	PT1/2	13.5	34.5	19.5	21	
	ZPB08-01	8	PT1/8	7.5	29.5	22.6	14	
	ZPB08-02	8	PT1/4	9.5	31.5	22.6	14	
	ZPB08-03	8	PT3/8	10.5	32.5	22.6	17	
	ZPB08-04	8	PT1/2	13.5	35.5	22.6	21	
	ZPB10-01	10	PT1/8	7.5	34.5	28.5	17	
	ZPB10-02	10	PT1/4	9.5	36.5	28.5	17	
	ZPB10-03	10	PT3/8	10.5	37.5	28.5	17	
	ZPB10-04	10	PT1/2	13.5	40.5	28.5	21	
	ZPB12-01	12	PT1/8	7.5	35.5	29.3	19	
	ZPB12-02	12	PT1/4	9.5	37.5	29.3	19	
	ZPB12-03	12	PT3/8	10.5	38.5	29.3	19	
	ZPB12-04	12	PT1/2	13.5	41.5	29.3	21	
	ZPB14-02	14	PT1/4	9.5	38.7	29.8	24	
	ZPB14-03	14	PT3/8	10.5	39.7	29.8	24	
	ZPB14-04	14	PT1/2	13.5	42.7	29.8	24	
	ZPB16-02	16	PT1/4	9.5	40.1	31.9	24	
	ZPB16-03	16	PT3/8	10.5	41.1	31.9	24	
	ZPB16-04	16	PT1/2	13.5	44.1	31.9	24	

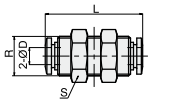
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	ZPWT04-M5	4	M5	4	42.9	10	
	ZPWT04-M6	4	M6	4.5	43.4	10	
	ZPWT04-01	4	PT1/8	7.5	42.5	10	
	ZPWT04-02	4	PT1/4	9.5	45.5	14	
	ZPWT06-M5	6	M5	4	41.7	12	
	ZPWT06-M6	6	M6	4.5	42.2	12	
	ZPWT06-01	6	PT1/8	7.5	44.2	12	
	ZPWT06-02	6	PT1/4	9.5	46.2	14	
	ZPWT06-03	6	PT3/8	10.5	47.2	17	
	ZPWT06-04	6	PT1/2	13.5	50.2	21	
	ZPWT08-01	8	PT1/8	7.5	46.9	14	
	ZPWT08-02	8	PT1/4	9.5	48.9	14	
	ZPWT08-03	8	PT3/8	10.5	49.9	17	
	ZPWT08-04	8	PT1/2	13.5	52.9	21	
	ZPWT10-01	10	PT1/8	7.5	56.1	17	
	ZPWT10-02	10	PT1/4	9.5	58.1	17	
	ZPWT10-03	10	PT3/8	10.5	59.1	17	
	ZPWT10-04	10	PT1/2	13.5	62.1	21	
	ZPWT12-01	12	PT1/8	7.5	58.8	19	
	ZPWT12-02	12	PT1/4	9.5	60.8	19	
	ZPWT12-03	12	PT3/8	10.5	61.8	19	
	ZPWT12-04	12	PT1/2	13.5	64.8	21	
	ZPWT14-02	14	PT1/4	9.5	64.4	24	
	ZPWT14-03	14	PT3/8	10.5	65.4	24	
	ZPWT14-04	14	PT1/2	13.5	68.4	24	
	ZPWT16-02	16	PT1/4	9.5	67.5	24	
	ZPWT16-03	16	PT3/8	10.5	68.5	24	
	ZPWT16-04	16	PT1/2	13.5	71.5	24	

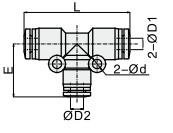
ZPY	Model	D	A	d	Main Dimension
	ZPY04	4	35.6	3.2	
	ZPY06	6	37.2	3.2	
	ZPY08	8	40	3.2	
	ZPY10	10	50.1	4.2	
	ZPY12	12	52.6	4.2	
	ZPY14	14	55.5	4.2	
	ZPY16	16	58.8	5.1	

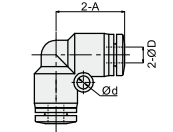
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	ZPE04	4	18.7	3.2	
	ZPE06	6	19.5	3.2	
	ZPE08	8	22.6	3.2	
	ZPE10	10	28.5	4.2	
	ZPE12	12	29.3	4.2	
	ZPE14	14	29.8	4.2	
	ZPE16	16	31.9	5.1	

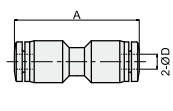
PT-Metric

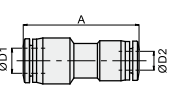
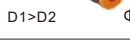
ZPEW	Model	D1	D2	E	L	d	Main Dimension
	ZPEW06-04	6	4	19.1	38	3.2	
	ZPEW08-04	8	4	22.5	43.9	3.2	
	ZPEW08-06	8	6	22.5	44	3.2	
	ZPEW10-06	10	6	27.9	54.1	4.2	
	ZPEW10-08	10	8	27.9	55	4.2	
	ZPEW12-08	12	8	29.3	57	4.2	
	ZPEW12-10	12	10	29.3	57.8	4.2	
	ZPEW16-12	16	12	32.5	63.6	4.2	

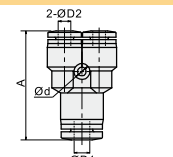
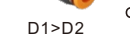
ZPM	Model	D	R	S	L	Main Dimension
	ZPM04	4	M12X1	17	33	
	ZPM06	6	M14X1	17	38	
	ZPM08	8	M16X1	19	40	
	ZPM10	10	M20X1	24	46	
	ZPM12	12	M22X1	27	46	

ZPEG	Model	D1	D2	E	L	d	Main Dimension
	ZPEG06-04	6	4	19	38.1	3.2	
	ZPEG08-04	8	4	22	44.9	3.2	
	ZPEG08-06	8	6	22.1	44.9	3.2	
	ZPEG10-06	10	6	27.1	55.8	4.2	
	ZPEG10-08	10	8	27.5	55.8	4.2	
	ZPEG12-10	12	10	28.9	58.6	4.2	
							

ZPV	Model	D	A	d	Main Dimension
	ZPV04	4	17.7	3.2	
	ZPV06	6	19.2	3.2	
	ZPV08	8	22.6	3.2	
	ZPV10	10	27.8	4.2	
	ZPV12	12	29.3	4.2	
	ZPV14	14	30.6	4.2	
	ZPV16	16	33.3	5.1	

ZPU	Model	D	A	Main Dimension
	ZPU04	4	33.4	
	ZPU06	6	35.6	
	ZPU08	8	38.7	
	ZPU10	10	48.2	
	ZPU12	12	48.6	
	ZPU14	14	48.2	
	ZPU16	16	49.6	

ZPG	Model	D1	D2	A	Main Dimension
	ZPG06-04	6	4	35.4	
	ZPG08-04	8	4	37.8	
	ZPG08-06	8	6	37.8	
	ZPG10-06	10	6	42.8	
	ZPG10-08	10	8	42.8	
	ZPG12-08	12	8	48.5	
	ZPG12-10	12	10	48.5	

ZPW	Model	D1	D2	A	d	Main Dimension
	ZPG06-04	6	4	36	3.2	
	ZPG08-04	8	4	39	3.2	
	ZPG08-06	8	6	39	3.2	
	ZPG10-06	10	6	49	4.2	
	ZPG10-08	10	8	49	4.2	
	ZPG12-10	12	10	53	4.2	
						

EHV Series Hand Valve

How to Order?

Series No.	O.D. of Tube		Port Size	Ways	Thread Type
EHVFS	04: 4mm	5/32 : 5/32 "	M5 : M5	Blank : 3 ways	P : PT
EHVSS	06: 6mm	3/16 : 3/16 "	M6 : M6	B : 2 ways	
EHVFF	08: 8mm	1/4 : 1/4 "	01 : 1/8 "		
...	10: 10mm	5/16 : 5/16 "	02 : 1/4 "		
	12: 12mm	3/8 : 3/8 "	03 : 3/8 "		
	14: 14mm	1/2 : 1/2 "	04 : 1/2 "		
	16: 16mm				

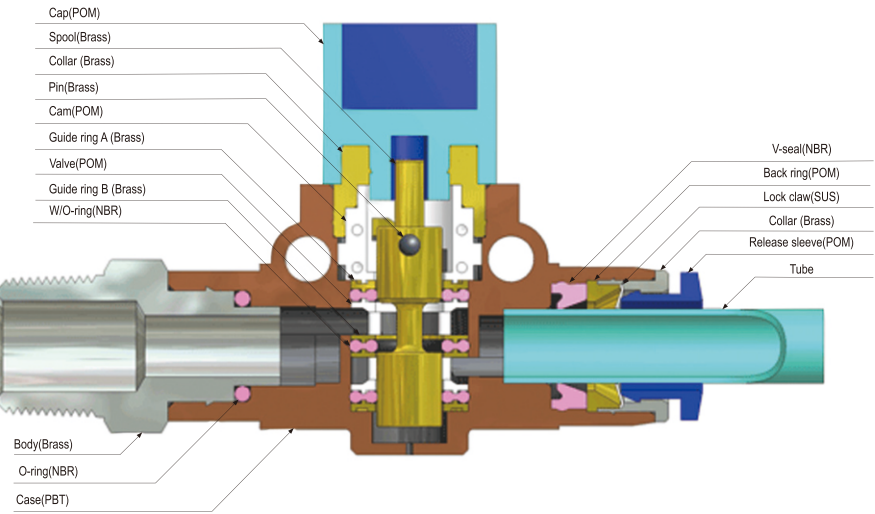
Order example:

EHVFS series plastic fitting, for 6mm OD tube, G1/8" port size, ERP code is EHVFS06-01G
Note: If both sides with tube, then will show its size accordingly. For example, EHVFF hand valve for both 6mm OD tube, ERP code is: EHVFF 06-06

Specifications

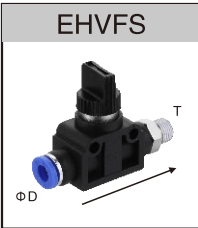
Working medium	Air, Vacuum
Working pressure (MPa)	0~0.8
Guaranteed pressure (MPa)	1.2
Working temperature (°C)	0~60
Tube material	Nylon PU tube

Internal Structure



- * The source of pressure can be completely shut off by simply turning the knob.
- * Three-way directional control configuration releases the residual internal pressure on the output side when manually closed.
- * Ideal for inspecting or repairing any devices without compromising the safety.
- * Directionality of airflow may be selected from the tubing or threaded input side to the tubing or threaded output side.

EHV Series Hand Valve



MODEL[ΦD-T]		
Tube(Metric)	Thread(PT)	
EHVFS 06-01	EHVFS 10-02	EHVFS 12-02
EHVFS 06-02	EHVFS 10-03	EHVFS 12-03
EHVFS 06-03	EHVFS 10-04	EHVFS 12-04
EHVFS 08-01		
EHVFS 08-02		
EHVFS 08-03		



MODEL[T1-T2]	
Thread(PT)	
EHVSS 01-01	EHVSS 04-03
EHVSS 02-01	EHVSS 04-04
EHVSS 02-02	
EHVSS 03-02	
EHVSS 03-03	



MODEL[ΦD1-ΦD2]	
Tube(Metric)	
EHVFF 06-06	EHVFF 12-10
EHVFF 08-06	EHVFF 12-12
EHVFF 08-08	
EHVFF 10-08	
EHVFF 10-10	



MODEL[T-ΦD]		
Tube(Metric)	Thread(G)	
EHVFS06-01G	EHVFS08-03G	EHVFS12-02G
EHVFS06-02G	EHVFS10-02G	EHVFS12-03G
EHVFS06-03G	EHVFS10-03G	EHVFS12-04G
EHVFS08-01G	EHVFS10-04G	
EHVFS08-02G		



MODEL[ΦT1-ΦT2]	
Thread(G)	
EHVSS 01-02G	EHVSS 04-03G
EHVSS 02-01G	EHVSS 04-04G
EHVSS 02-02G	
EHVSS 03-02G	
EHVSS 03-03G	

ZS Series Speed Controller



MODEL[ΦD1-ΦD2]	
Tube(Metric)	Tube(Inch)
ZSA 04	ZSA 5/32
ZSA 06	ZSA 3/16
ZSA 08	ZSA 1/4
ZSA 10	ZSA 5/16
ZSA 12	ZSA 3/8
	ZSA 1/2



Meter-out type	
Tube(Metric)-Thread(PT)	
ZSC 04-M5	ZSC 08-03
ZSC 04-01	ZSC 08-04
ZSC 04-02	ZSC 10-01
ZSC 06-M5	ZSC 10-02
ZSC 06-01	ZSC 10-03
ZSC 06-02	ZSC 10-04
ZSC 06-03	ZSC 12-02
ZSC 06-04	ZSC 12-03
ZSC 08-01	ZSC 12-04
ZSC 08-02	



Meter-in type	
Tube(Metric)-Thread(PT)	
ZSC 04-M5B	ZSC 08-03B
ZSC 04-01B	ZSC 08-04B
ZSC 04-02B	ZSC 10-01B
ZSC 06-M5B	ZSC 10-02B
ZSC 06-01B	ZSC 10-03B
ZSC 06-02B	ZSC 10-04B
ZSC 06-03B	ZSC 12-02B
ZSC 06-04B	ZSC 12-03B
ZSC 08-01B	ZSC 12-04B
ZSC 08-02B	

ESP Series Stop Fitting

How to Order?

Series No.	O. D. of Tube	Port Size	Thread Type
ESPC	06: 6mm	M5 : M5	P : PT
ESPL	08: 8mm	01 : 1/8 "	G : G
ESPU		02 : 1/4 "	T : NPT
...		03 : 3/8 "	

Order example:

ESPC series plastic fitting, for 6mm OD tube, PT1/8" port size, ERP code is :ESPC06-01
Note: If both sides with tube and same size, then only show one size . For example, ESPU series plastic fitting for both 6mm OD tube, ERP code is: ESPU 06

Stop Fitting



MODEL[ΦD-T]	
Tube(Metric)	
ESPC 06-01	
ESPC 06-02	
ESPC 08-02	
ESPC 08-03	



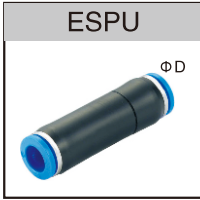
MODEL[ΦD-T]	
Tube(Metric)	
ESPL 06-01G	
ESPL 06-02G	
ESPL 08-01G	
ESPL 08-02G	
ESPL 08-03G	



MODEL[ΦD-T]	
Tube(Metric)	
ESPL 06-M5	
ESPL 06-01	
ESPL 06-02	
ESPL 08-01	
ESPL 08-02	
ESPL 08-03	

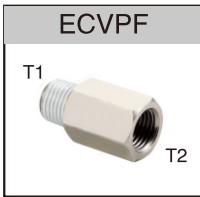


MODEL[ΦD-T]	
Tube(Metric)	
ESPC 06-01G	
ESPC 06-02G	
ESPC 08-02G	
ESPC 08-03G	



MODEL[ΦD-T]	
Tube(Metric)	
ESPU 06	
ESPU 08	

Check Valve



MODEL[ΦD-T]	
Tube(Metric)	
ECVPF 02-02	
ECVPF 03-03	



MODEL[T1-T2]	
Tube(Metric)	
ECVPF 02-02G	
ECVPF 03-03G	

SP/SM One Touc Fitting Tube/PU Cutter

How to Order?

Series No.	O.D. of Tube	Thread Size	Fitting Material	Thread Type
SPU	04: 4mm	M5 : M5	S1 : SS316	P : PT
SPE	06: 6mm	M6 : M6	S2 : SS304	G : G
SPV	08: 8mm	01 : 1/8 "		T : NPT
...	10: 10mm	02 : 1/4 "		
	12: 12mm	03 : 3/8 "		
		04 : 1/2 "		

Order example:

SPC series stainless steel fitting, for 4mm OD tube, PT1/8" port size, SS316 material, ERP code is : SPC4-01S1
Note: If both sides with tube, then show the size accordingly, if the same be same, then only show one. For example, SPU fitting, both for 6mm OD tube, SS316 material, ERP code is : SPU 06 S1

SPU  Model SPU 04 SPU 06 SPU 08 SPU 10 SPU 12	SPV  Model SPV 04 SPV 06 SPV 08 SPV 10 SPV 12	SPE  Model SPE 04 SPE 06 SPE 08 SPE 10 SPE 12
SPC  Model SPC 04-01 SPC 10-02 SPC 04-02 SPC 10-03 SPC 06-01 SPC 10-04 SPC 06-02 SPC 12-02 SPC 06-03 SPC 12-03 SPC 08-01 SPC 12-04 SPC 08-02 SPC 08-03 SPC 08-04	SPCF  Model SPCF 04-01 SPCF 10-03 SPCF 04-02 SPCF 12-02 SPCF 06-01 SPCF 12-03 SPCF 06-02 SPCF 12-04 SPCF 06-03 SPCF 08-01 SPCF 08-02 SPCF 08-03 SPCF 10-02	SPB  Model SPB 04-01 SPB 10-04 SPB 04-02 SPB 12-02 SPB 06-01 SPB 12-03 SPB 06-02 SPB 12-04 SPB 06-03 SPB 08-01 SPB 08-02 SPB 08-03 SPB 10-02 SPB 10-03
SPD  Model SPD 04-01 SPD 10-04 SPD 04-02 SPD 12-02 SPD 06-01 SPD 12-03 SPD 06-02 SPD 12-04 SPD 06-03 SPD 08-01 SPD 08-02 SPD 08-03 SPD 10-02 SPD 10-03	SPL  Model SPL 04-M5 SPL 08-02 SPL 04-M6 SPL 08-03 SPL 04-01 SPL 10-02 SPL 04-02 SPL 10-03 SPL 06-M5 SPL 10-04 SPL 06-M6 SPL 12-02 SPL 06-01 SPL 12-03 SPL 06-02 SPL 12-04 SPL 06-03 SPL 08-01	SPGJ  Model SPGJ 04-06 SPGJ 04-08 SPGJ 06-08 SPGJ 06-10 SPGJ 08-10 SPGJ 08-12 SPGJ 10-12
SM  Model SM 04-01 SM 04-02 SM 06-01 SM 06-02 SM 08-02 SM 08-03	SMC  Model SMC 04-01 SMC 12-03 SMC 04-02 SMC 12-04 SMC 06-01 SMC 06-02 SMC 08-01 SMC 08-02 SMC 10-02 SMC 10-03 SMC 12-02	SPM  Model SPM 04 SPM 06 SPM 08 SPM 10 SPM 12

PU Tube

- Large range of working temperature and pressure
- High flexibility
- Twelve colors to facilitate easy circuit identification
- Close Tolerance
- Optimized bend radius
- Superior vacuum capability

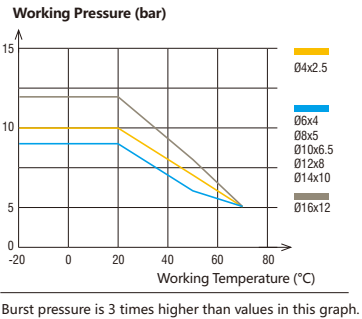


Technical Characteristics

Medium	Compressed Air
Materials	Polyurethane ester
Pressure	12 bar
Temperature	-20°C to +70°C
O.D.metric	4 mm to 16 mm
Regulations	
Industrial	
DI: 2002/95/EC(RoHS),2011/65/EC	
DI: 97/23/EC(PED)	
RG: 1907/2006(REACH)	

Tube O.D.	Tube O.D. Tolerance	o.d. Tube (mm)	I.d. Tube (mm)	Thickness	Bend Radius (mm)	Weight per 100 m (kg)
4 to 8 mm	+0.1 / -0.1	4	2.5	0.75	10	1.092
		6	4	1	15	2.064
		8	5.5	1.25	20	3.611
		8	5	1.5	20	3.991
10 to 16 mm	+0.15 / -0.15	10	7	1.5	25	6.105
		10	6.5	1.75	25	6.581
		12	8	2	35	8.611
		16	12	2	45	12.176

PU Tube Performance



Packaging
Film Pack : 20 m / 100m
Drum Pack : 300 m, 500 m, 1000 m



How to order ?

Series code	O.D.	X	I.D	Length	Color code
PU : PU tube	040 : 4.0mm 060 : 6.0mm 080 : 8.0mm 080 : 8.0mm 100 : 10.0mm 100 : 10.0mm 120 : 12.0mm 160 : 16.0mm	X X X X X X X X	025 : 2.5mm 040 : 4.0mm 050 : 5.0mm 055 : 5.5mm 065 : 6.5mm 070 : 7.0mm 080 : 8.0mm 120 : 12.0mm	20M : 20 M/Roll 100M : 100 M/Roll	BU : Blue-Solid BUT : Blue-Tinted B : Black-Solid C : Transparent O : Orange-Solid OT : Orange-Tinted R : Red-Solid RT : Red-Tinted G : Green-Solid GT : Green-Tinted Y : Yellow-Solid YT : Yellow-Tinted

Order example:
Φ4XΦ2.5 PU tube , 100M/Roll , Blue color , ERP code is : PU040X025-100M-BU

Note: Please check with E.MC for color availability and MOQ.

PUS Spring Tube

How to Order?

Series No.	O.D. of Tube X	I.D. of Tube	Length	Colour Code
PUS: PU Spring Tube	040: 4mm	025 : 2.5 mm	020m: 2 Meter	BU :Blue - Solid
	060: 6mm	040 : 4 mm	040m: 4 Meter	B :Black - Solid
	080: 8mm	050 : 5 mm	060m: 6 Meter	C :Transparent
	100: 10mm	070 : 7 mm	080m: 8 Meter	O :Orange - Solid
	120: 12mm	080 : 8 mm	100m: 10 Meter	R :Red - Solid
			120m: 12 Meter	G :Green - Solid
			150m: 15 Meter	Y :Yellow - Solid

Order example:

PUS080X050-100-B
PU Spring Tube , OD: 8mm, ID:5mm, Length : 10 Meter, Black-Solid Colour

Technical Characteristics

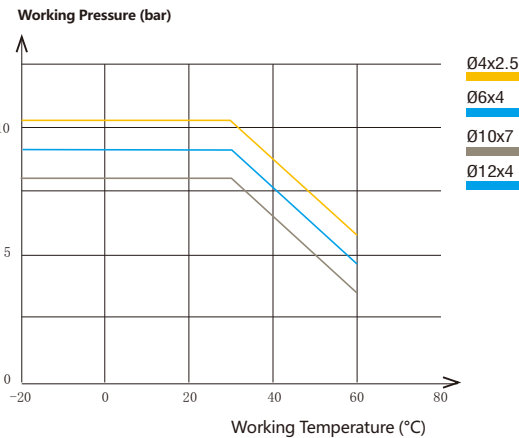
Medium	Compressed air
Materials	Polyurethane ester
Pressure	10 bar
Temperature	-20°C to +70°C
O.D.metric:	4 mm to 12 mm

Regulations

Industrial
NF E49-101
DI: 2002/95/EC(RoHS),2011/65/EC
DI: 97/23.EC(PED)
RG: 1907/2006(REACH)



PU Ester Recoil Tubing



PA Tube/PU Cutter

How to Order? (Metric size)

Series code	O.D. X	I.D.	Length	Color code
PA : PA tube	040:4.0mm	020:2.0mm	20M : 20 M/Roll	BU : Blue
	060:6.0mm	040:4.0mm	100M : 100 M/Roll	B : Black
	080:8.0mm	060:6.0mm		C : Transparent
	100:10.0mm	080:8.0mm		O : Orange
	120:12.0mm	090:9.0mm		R : Red
	160:16.0mm	130:13.0mm		G : Green
				Y : Yellow



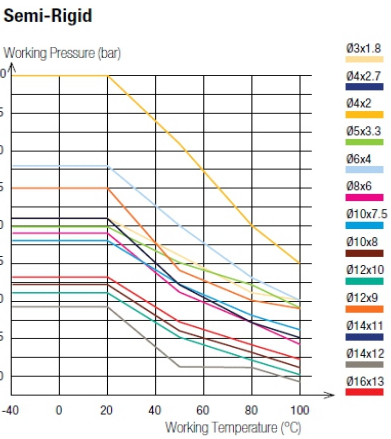
Order example:

Φ4XΦ2.0 PA tube , 200M/Roll , Blue color , ERP code is : PA040X020-200M-BU

Technical Characteristics

Medium	Compressed air, Industrial fluids
Materials	Extrusion grade PA 12
Pressure	58 bar
Temperature	-4°C to +100°C
O.D.metric:	4 mm to 16 mm
Regulations	
Industrial	
DI: 2002/95/EC(RoHS),2011/65/EC	
DI: 97/23.EC(PED)	
RG: 1907/2006(REACH)	

Performance of PA Tubing



Polyamide Tubing

Part Number	Tube O.D.	Tube I.D.	Bending Radius	Weight -kg/100mtr
PA040X020	4	2	10	0.893
PA060X040	6	4	15	1.799
PA080X060	8	6	25	2.898
PA100X080	10	8	42	4.4
PA120X090	12	9	47	5.6
PA160X130	16	13	90	7.8

PU cutter



Model:ECP-01

TSB
Flame Resistant Tubing



How to Order ?

Series	O.D.	X	I.D.	Length	Color
TSB : Flame resistant tubing	060 : 6.0mm		040 : 4mm	20M : 20m/Roll	BU : Blue
	080 : 8.0mm		050 : 5mm	100M : 100m/Roll	B : Black
	080 : 8.0mm		055 : 5.5mm		R : Red
	100 : 10.0mm		070 : 7mm		G : Green
	120 : 12.0mm		080 : 8mm		Y : Yellow

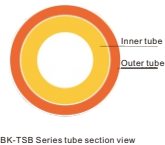
Flame Resistant Tube

Item No.	Tube O.D.(mm)	Tube I.D.(mm)	Bending Radiou	Weight-kg/100mtr
TSB060X040	6	4	12	5.37
TSB080X050	8	5	20	8.85
TSB080X055	8	5.5	20	7.63
TSB100X070	10	7	25	10.86
TSB120X080	12	8	35	15.06



Product Feature

- PU anti-spatter tube, inner tube is made of polyurethane and outer coated by flame resistant resin (equal to UL 94 V0), which is flame resistant, anti-spark and anti-spatter.
- While you need use this tube to fit the quick connector, please confirm the length you need, pill of the outer coating, stick the inner tube to the connector.
- Application: Auto welding fixture, welding robot, and other welding machine.



BK-TSB Series tube section view

Technical Characteristics

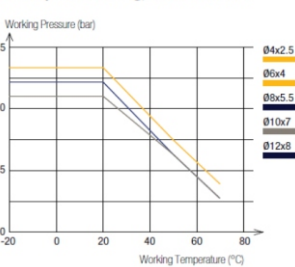
Compatible Fluids	Industrial fluids, compressed air, coolants
Working Pressure	Vacuum to 14 bar
Working Temperature	-20°C to +70°C
Component Materials	PU ether with PVC sheath PU ether single layer

Tube O.D.	Sheath Removal Length for LF 3600(mm)
4 mm	15±1
6 mm	18±1
8 mm	19±1
10 mm	24±1
12 mm	25±1

Regulations

UI94 V2 to VO (Fire resistance, depending on the type of tubing)
DE: 2002/95/EC(RoHS),
2011/65/EC
RG: 1907/2006(REACH)

Anti-Spark PU Tubing, with PVC Sheath



PS42 Series Pressure Switch



How to Order?

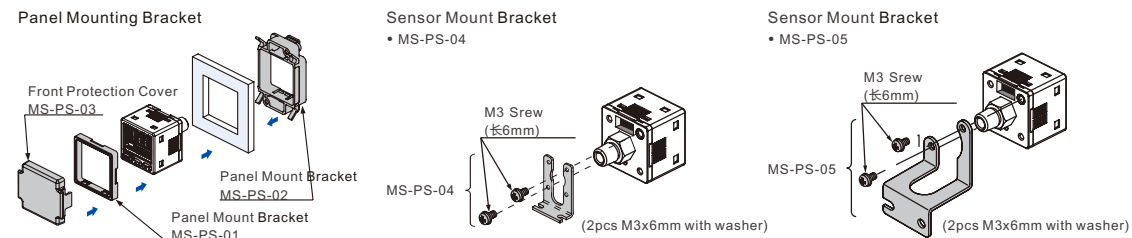
Series No.	Pressure Type	Output Type	Port Size
PS42: Display digital pressure switch	P:-0.1MPa~1MPa V:-100kPa~0kPa C:-100kPa~100kPa	010:2NPN+1Analog output(1~5V) 020:2PNP+1Analog output(1~5V) 021:2PNP+1Analog output(4~20mA)	01:PT1/8+M5 02:G1/8+M5 03:NPT1/8+M5

Specifications

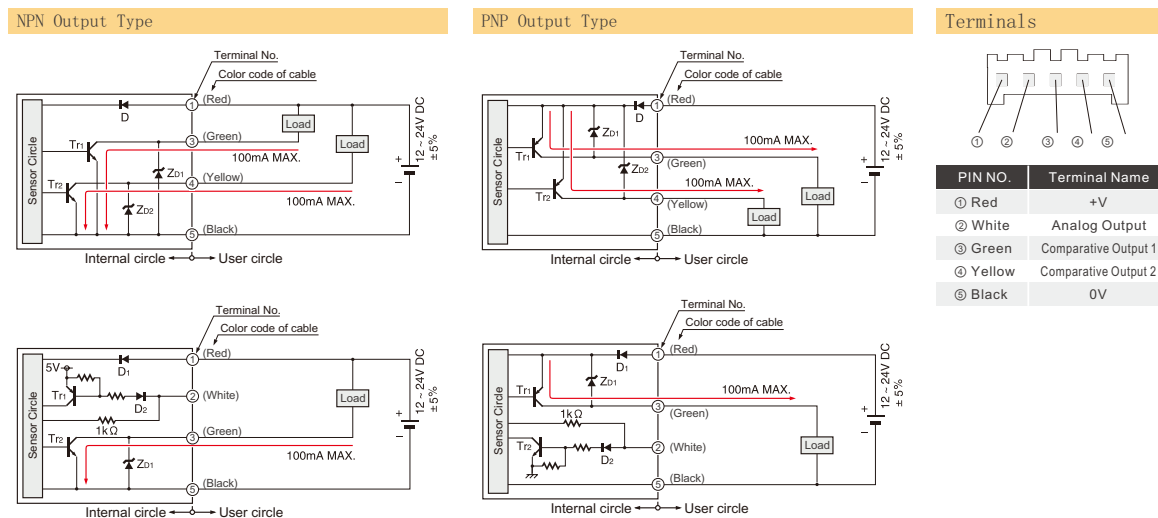
Model		PS42P (Positive pressure)	PS42V (Vacuum pressure)	PS42C (Compound pressure)
Working pressure range			Standard pressure	
Regulating pressure range		-0.1~1.0 MPa	-100~0 kPa	-100~100 kPa
Rated pressure range		-0.1~1.0 MPa	-100~0 kPa	-100~100 kPa
Extended analog output range		1.5 MPa	500 kPa	500 kPa
Applicable fluid		Non-corrosive air		
Power supply voltage		12~24V DC±5%		
Current consumption		24V 27mA MAX or 12V 51mA MAX		
Comparative Output		NPN O.C output:80mA/24V DC MAX or PNP O.C output:80mA/24V DC MAX		
Digital output repeatability		±0.2% FS	±0.2% FS	±0.5% FS
Actuation response time		Different options by button operating 2.5ms,5ms,10ms,25ms,50ms,100ms,250ms,500ms,1000ms,5000ms,		
Analog output	Voltage output	0.6~5V(or less)	1~5V(or less)	
		Linearity:±1% FS ; Output impedance:1 KΩ		
	Current output	2.4~20mA(or less)	4~20mA(or less)	
		Linearity: ±1% FS Max. load impedance:300Ω(DC12V)、600Ω(DC24V) Mini. load impedance:50Ω		
Outside input		NO		
Operating Temperature range		Operating:0~50℃ ; Stored: -10~60℃(No freezing or condensation)		
Operating Humidity range		35~85%RH		
Temperature characteristics		±1% FS(25℃)		
Protection Class		IP40		
Material		Case: Nylon + glass fiber Pressure hole: Hex brass nickle plated	LCD:LCD Propylene Seal: H-NBR	Switch:Silicone rubber
Dimensions		30×30×25mm(Rubber part) / 30×30×43mm(Including connector)		
Weight		About 80g(pressure gauge body + connector bracket)		
Standards		2M cable with Terminals		
Optional		amounting bracket 1pc		

External Specification

Name	Model	Description
Sensor Mount Bracket	MS-PS-04	The sensor mounting bracket is designed to be installed on the top or bottom of your device.
	MS-PS-05	Multiple sensors can be mounted side by side.
Panel Mount Bracket	MS-PS-01	Panel mount brackets are designed for installing the sensor on panels from 1mm-6mm thickness.
	MS-PS-02	
Front Protection Cover	MS-PS-03	Install the front protection cover on your device once you've completed installation of the panel mounting bracket and sensor mounting bracket.



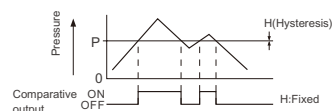
⦿ I/O Circuit and Wiring Diagrams



With 2 independent outputs and 3 output modes

① Easy Mode

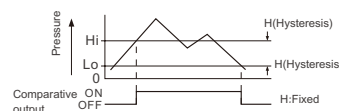
Comparative Output ON/OFF Control Mode



Note 1: Hysteresis can be set as 8 class
Note 2: Sub display in comparative output is 1, display "P-1"
comparative output is 2: display "P-2"

② Hysteresis mode

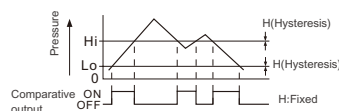
This mode is used for setting comparative output hysteresis to the desired level and for carrying out ON / OFF control



Note 1: "Hi-1" or "Lo-1" appears in the sub display for comparative output 1, and "Hi-2" or "Lo-2" appears for comparative output 2

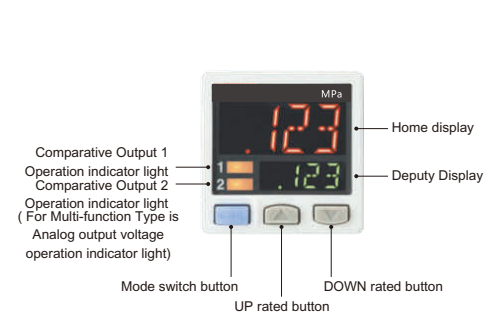
③ Window comparator mode

This mode is used for setting comparative output ON and OFF at pressures within the setting range



Note 1: Hysteresis can be set as 8 class
Note 2: "Hi-1" or "Lo-1" appears in the sub display for comparative output 1, and "Hi-2" or "Lo-2" appears for comparative output

External Specification



Menu Settings

Under RUN mode, press the mode switch button continuously 2 seconds, can automatically switch into mode for Menu setting.

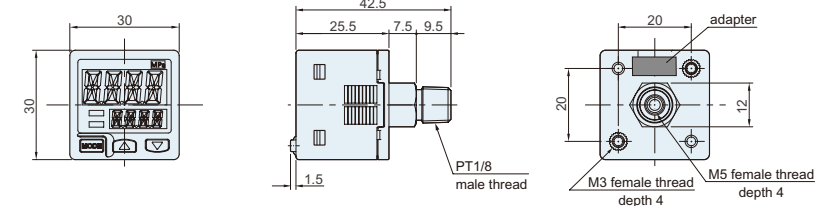
If press the mode switch button long time, return to RUN mode. New setting works immediately.

If press the mode switch button long time,return to RUN mode.New setting works immediately.

Setting items	Description
Comparative output 1 output mode setting	Setting Comparative output 1 output mode
Comparative output 2 output mode setting (standard type only)	Setting Comparative output 2 output mode
Analog voltage output / external input switching (high-function type only)	Automatically swithing from analog voltage or reference input between remote zero input (only high-function type)
NO / NC switch	Setting normally open or normally closed
Reaction time setting	Setting reaction time
The home display section displays the color-switching	The home display unit can be switched colors
Unit switch (high pressure models only)	Switchable pressure units (Mpa and kPa)

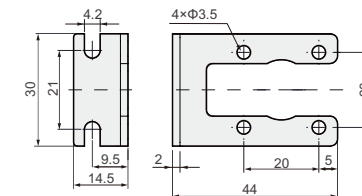
PS42P/V/C

Sensor



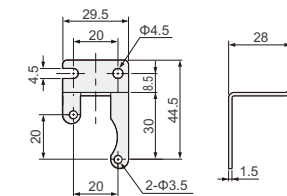
MS-PS-04

Sensor Mount adapter
(optional separately price)



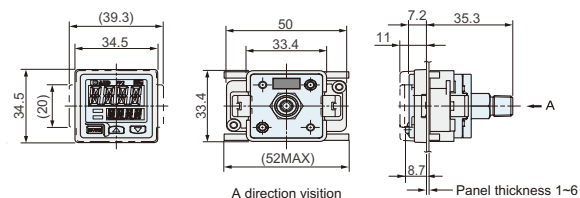
MS-PS-05

Sensor Mount adapter
(optional separately price)



MS-PS-01
MS-PS-02
MS-PS-03

Panel Mount adaptor,Front Protection
Cover (optional separately price)

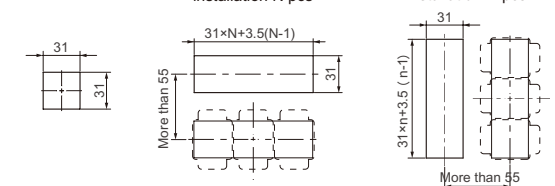


Panel dimensions

Mount one panel

Slave-side sensor
continuous
installation N pcs

Master side sensor
continuous
installation N pcs



Note: