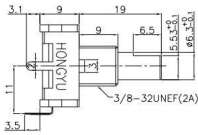
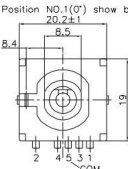
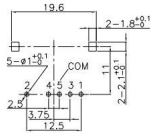


ABSOLUTE ENCODER 绝对值编码器
INSULATED SHAFT ENCODER SERIES 绝缘轴系列
19 mm Size Type | HES190 系列

HES190-40D9-19F65-XXP 	SPECIFICATION Rating : 1mA 10V DC Contact resistance : 10 Ω max Operating life : 30, 000 cycles Operating temperature range : -20°C to +60°C
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Outline Drawing

No.	Style	PC board mouting hole dimensions
1	 	

Product List

MODEL	DETENT TORQUE (mN.m)	OPERATION DIRECTION	DENTENTS	METHOD OF INSTALLATION	TERMINAL TYPE	DRAWING NUMBER
HES190-12P	60±20	Vertical	12	PC board	Straight	1
HES190-14P			14			
HES190-16P			16			

Standard codes

HESI90-12P

Position No.	1	2	3	4	5	6	7	8	9	10	11	12
Rotation angle (°)	0	30	60	90	120	150	180	210	240	270	300	330
TERMINAL NO.	1		●		●		●			●	●	
	2			●		●	●			●	●	
	3				●	●	●	●		●	●	
	4					●	●	●	●		●	●
	5(COM)	●	●	●	●	●	●	●	●	●	●	●

HESI90-14P

Position No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Rotation angle (°)	0	25.7	51.4	77.1	102.8	128.5	154.2	179.9	205.6	231.3	257	282.7	308.4	334.1
TERMINAL NO.	1	●			●	●			●	●		●	●	●
	2		●		●	●				●	●	●	●	●
	3			●	●	●	●			●	●	●	●	●
	4				●	●	●	●		●	●	●	●	●
	5(COM)	●	●	●	●	●	●	●	●	●	●	●	●	●

HESI90-16P

Position No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Rotation angle (°)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
TERMINAL NO.	1		●	●		●	●			●	●		●	●	●	
	2			●		●	●			●	●	●	●	●	●	●
	3				●	●	●	●		●	●	●	●	●	●	●
	4					●	●	●	●	●	●	●	●	●	●	●
	5(COM)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●