

ALPS Encoders

ALPS

SDDE SERIES: POWER SWITCH WITH ENCODER

- Two shafts are combined
Center shaft: Push switch (Unlatching)
Outside shaft: Encoder
- Zero standby power consumption is available by auto-off function with relay movement due to built-in both AC and DC contact in the push switch
- Both pulse and absolute output are available for the installed encoder
- Applications include Dryer, Micro wave oven, IH cooking heater, and Washing machine

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Current Rating	Voltage (V)	Style	Price Each			
						1	25	50	100
688-SDDE1C0101	SDDE1C0101	A	20mA	12	SMD/SMT	4.69	4.22	3.75	3.56

EC35A/EC35AH SERIES: LOW PROFILE RING TYPE ENCODER

- 2-phase incremental type encoder for general use
- Low-profile design with a 4.5mm body height
- Devices such as switches and LEDs can be mounted into its center therefore contributing to the final set's flexibility of design
- Good operation feeling and less shaft wobble
- Applications include volume control and function change for car AV equipment and navigation systems; temperature control for HVACs; menu selection for home appliances such as washing machines and microwave ovens; and other applications

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Actual Length	Detent Torque	No. of Detents	Price Each			
						1	25	50	100
688-EC35AH260502	EC35AH260502	B	25mm	30±15mN·m	30	4.63	4.16	3.70	3.52
688-EC35AH120401	EC35AH120401	B	15mm	18±7mN·m	18	4.63	4.16	3.70	3.52
688-EC35A1520402	EC35A1520402	B	20mm	18±7mN·m	30	4.63	4.16	3.70	3.52

EC05E SERIES: 5MM SMD HOLLOW SHAFT ENCODER

- Rating: 0.5mA @ 5VDC
- Operating Life: 100,000 cycles
- Tape and reel packaging
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

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MOUSER STOCK NO.	Alps Part No.	Fig.	Rating	Detent Torque	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC05E1220401	EC05E1220401	C	0.5mA @ 5VDC	1.6±1.3 mN·m	12	12	1.85	1.58	1.37	1.19

EC09E SERIES: 9MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5VDC
- Operating Life: 15,000 cycles
- Incremental type
- Detent torque: 8±5mN·m
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Travel of Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC09E1524404	EC09E1524404	D	With	1.5mm	15	30	6.06	5.19	4.33	3.89
688-EC09E1524405	EC09E1524405	D	With	0.5mm	15	30	5.81	4.98	4.15	3.54

EC10E SERIES: 10MM HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5VDC
- Operating life: 100,000 cycles
- Incremental type
- Applications include controls for PC input devices (e.g., mouse), AV devices, and communication devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions "H"	Detent Torque	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC10E1220505	EC10E1220505	E	7mm	5±3mN·m	12	24	1.11	.959	.799	.469
688-EC10E1220501	EC10E1220501	E	9mm	5±3mN·m	12	24	1.12	.96	.80	.48

EC11 SERIES: 11MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5VDC
- Operating life: 15,000 cycles
- Incremental type
- High precision
- Applications include controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch Travel	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC11B15202AA	EC11B15202AA	F	Without	---	15	30	1.19	1.15	1.10	1.08
688-EC11E1530401	EC11E1530401	G	Without	---	15	0	5.25	4.50	3.90	2.56
688-EC11E1820402	EC11E1820402	G	Without	---	18	36	4.36	3.74	3.24	2.07
688-EC11B15242AF	EC11B15242AF	H	With	1.5mm	15	30	5.82	4.99	4.32	3.74
688-EC11E15244B2	EC11E15244B2	G	With	1.5mm	15	30	6.90	5.86	5.10	3.17
688-EC11E18244A5	EC11E18244A5	G	With	1.5mm	18	36	5.61	4.81	4.17	2.70
688-EC11E09244AQ	EC11E09244AQ	G	With	1.5mm	18	9	5.61	4.81	4.17	2.72

EC12E SERIES: 12MM INSULATED SHAFT ENCODERS

- Rating: 0.1A @ 12VDC
- Operating Life: 30,000 cycles
- Incremental type
- High precision
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions L (l1) mm	Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC12E24204A8	EC12E24204A8	I	15 (7)	Without	24	24	.70	.603	.583	.562
688-EC12E24204A9	EC12E24204A9	I	25 (12)	Without	24	24	.80	.775	.744	.723
688-EC12E24204A2	EC12E24204A2	I	10 (7)	Without	24	24	.82	.709	.681	.652
688-EC12E1220405	EC12E1220405	I	25 (12)	Without	12	12	1.32	1.13	.98	.547
688-EC12E1220406	EC12E1220406	I	20 (7)	Without	12	12	.71	.613	.53	.321
688-EC12E1220407	EC12E1220407	I	15 (7)	Without	12	12	1.32	1.13	.98	.593
688-EC12E2420802	EC12E2420802	J	20 (7)	Without	24	24	1.17	1.05	.981	.951
688-EC12E2420801	EC12E2420801	J	25 (12)	Without	24	24	.94	.87	.70	.56

