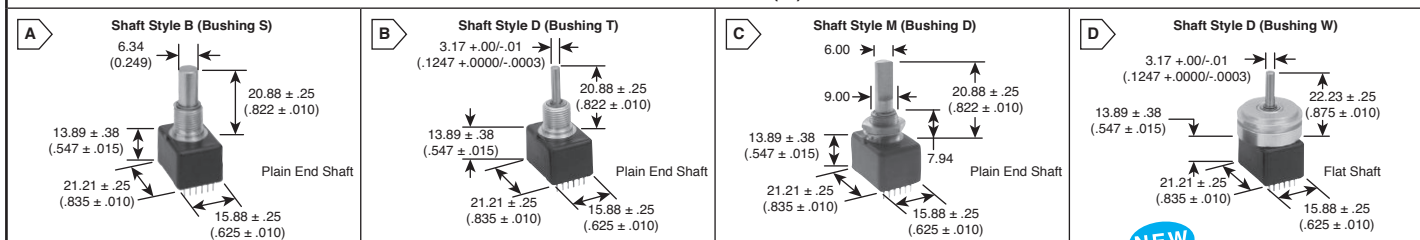


BOURNS Encoders

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm (in.)



SERIES EMS22: NON-CONTACTING MAGNETIC ENCODER WITH HALL EFFECT SENSORS

PRODUCT NEW

MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Shaft Length	Supply Voltage	Price Each		
						1	5	10
652-EMS22A30-C28-LS6	EMS22A30-C28-LS6	A	C	7/8	3.3 VDC	43.36	33.82	
652-EMS22A30-C28-MS6	EMS22A30-C28-MS6	A	C	7/8	3.3 VDC	43.36	33.82	
652-EMS22A50-B28-LS6	EMS22A50-B28-LS6	A	B	7/8	5 VDC	43.36	33.82	
652-EMS22A50-C20-LS6	EMS22A50-C20-LS6	A	C	7/8	5 VDC	43.36	33.82	
652-EMS22A50-D16-LT6	EMS22A50-D16-LT6	B	D	1/2	5 VDC	55.56	43.33	
652-EMS22A50-D28-LT6	EMS22A50-D28-LT6	B	D	7/8	5 VDC	55.56	43.33	
652-EMS22A50-M25-LD6	EMS22A50-M25-LD6	C	M	25mm	5 VDC	43.05	33.58	
652-EMS22D31-B28-LS2	EMS22D31-B28-LS2	A	B	7/8	3.3 VDC	43.36	33.82	
652-EMS22D31-D28-LT2	EMS22D31-D28-LT2	A	D	7/8	3.3 VDC	55.56	43.33	
652-EMS22D51-B28-LS5	EMS22D51-B28-LS5	A	B	7/8	5 VDC	43.36	33.82	

MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Shaft Length	Supply Voltage	Price Each		
						1	5	10
652-EMS22D51-D28-LT5	EMS22D51-D28-LT5	B	D	7/8	5 VDC	55.56	43.33	
652-EMS22P50-B28-LT6	EMS22P50-B28-LT6	A	B	7/8	5 VDC	43.36	33.82	
652-EMS22P50-D28-LT6	EMS22P50-D28-LT6	B	D	7/8	5 VDC	55.56	43.33	
652-EMS22Q31-B28-LS3	EMS22Q31-B28-LS3	A	B	7/8	3.3 VDC	43.36	33.82	
652-EMS22Q31-B28-LS4	EMS22Q31-B28-LS4	A	B	7/8	3.3 VDC	43.36	33.82	
652-EMS22Q33-D28-LT4	EMS22Q33-D28-LT4	B	D	7/8	3.3 VDC	55.56	43.33	
652-EMS22Q51-B28-LS4	EMS22Q51-B28-LS4	A	B	7/8	5 VDC	43.36	33.82	
652-EMS22Q51-C28-LS4	EMS22Q51-C28-LS4	A	C	7/8	5 VDC	43.36	33.82	
652-EMS22Q51-D28-LT4	EMS22Q51-D28-LT4	B	D	7/8	5 VDC	43.05	33.58	
652-EMS22Q51-D28-LW4	EMS22Q51-D28-LW4	D	D	7/8	5 VDC	60.54	47.22	

9MM INCREMENTAL ENCODERS

PEC09 Series

Features:

- Push switch option
- Compact, rugged design
- High reliability
- Metal bushing/shaft

Applications:

- Level control, tuning and timer settings in:
 - Audio-visual equipment
 - Consumer electric appliances
 - Environmental controls
 - Musical instrumentation
 - Communications equipment

* Refer to data sheet for dimensions

MOUSER STOCK NO.	Bourns Part No.	Fig.	Switch	Detents	Price Each		
					1	5	10
652-PEC092020F-S0015	PEC09-2020F-S0015	E	Y	0	3.57	3.30	2.75
652-PEC092025K-N0015	PEC09-2025K-N0015	E	N	0	2.31	2.13	1.77
652-PEC092120F-S0012	PEC09-2120F-S0012	E	Y	12	3.57	3.30	2.75
652-PEC092125K-N0012	PEC09-2125K-N0012	E	N	12	2.31	2.13	1.77
652-PEC092220F-S0012	PEC09-2220F-S0012	E	Y	24	3.57	3.30	2.75
652-PEC092225K-N0012	PEC09-2225K-N0012	E	N	24	2.31	2.13	1.77
652-PEC092320F-S0015	PEC09-2320F-S0015	E	Y	30	3.57	3.30	2.75
652-PEC092325K-N0015	PEC09-2325K-N0015	E	N	30	2.31	2.13	1.77

12MM INCREMENTAL ENCODERS

PEC11 & PEC11S Series

Features:

- Push switch option
- Compact, rugged design
- High reliability
- Metal bushing/shaft

Applications:

- Level control, tuning and timer settings in:
 - Audio-visual equipment
 - Consumer electric appliances
 - Radios
 - Musical instrumentation
 - Communications equipment

PEC11 Series							
MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Detents	Price Each		
					1	5	10
652-PEC11-4015FN0024	PEC11-4015F-N0024	F	N	0	1.65	1.49	1.06
652-PEC11-4020F-S024	PEC11-4020F-S0024	F	Y	0	1.85	1.67	1.19
652-PEC11-4115F-S18	PEC11-4115F-S0018	F	Y	18	1.85	1.67	1.19
652-PEC11-4125F-N18	PEC11-4125F-N0018	F	N	18	1.65	1.49	1.06
652-PEC11-4125F-S18	PEC11-4125F-S0018	F	Y	18	1.85	1.67	1.19
652-PEC11L4220FS0015	PEC11L-4220F-S0015	F	Y	30	2.27	2.11	1.95
652-PEC11-4215F-S24	PEC11-4215F-S0024	F	Y	24	1.85	1.67	1.19
652-PEC11-4215K-S12	PEC11-4215K-S0012	F	Y	24	1.68	1.50	1.08
652-PEC11-4220F-N12	PEC11-4220F-N0012	F	N	24	1.65	1.49	1.06
652-PEC11-4220F-N24	PEC11-4220F-N0024	F	N	24	1.65	1.49	1.06
652-PEC11-4220F-S12	PEC11-4220F-S0012	F	Y	24	1.85	1.67	1.19
652-PEC11-4220F-S24	PEC11-4220F-S0024	F	Y	24	1.85	1.67	1.19
652-PEC11-4225F-S24	PEC11-4225F-S0024	F	Y	24	1.85	1.67	1.19
652-PEC11-4225F-S24	PEC11-4225F-S0024	F	Y	24	1.85	1.67	1.19
652-PEC11-4230FS0012	PEC11-4230F-S0012	F	Y	24	1.85	1.65	1.19
652-PEC11-4230F-S24	PEC11-4230F-S0024	F	Y	24	1.85	1.67	1.19
652-PEC11L4125KN0020	PEC11L-4125K-N0020	F	N	20	2.10	1.89	1.49

PEC11S Series SMD							
MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Pulses/Rev.	Price Each		
					1	5	25
652-PEC11S9213KS0015	PEC11S-9213K-S0015	G	Y	2	1.76	1.68	1.60
652-PEC11S9215KH0015	PEC11S-9215K-H0015	G	Y	2	1.76	1.68	1.59
652-PEC11S9215KN0015	PEC11S-9215K-N0015	G	N	2	1.76	1.68	1.60
652-PEC11S9220FS0015	PEC11S-9220F-S0015	G	Y	2	1.76	1.68	1.60
652-PEC11S9220KS0015	PEC11S-9220K-S0015	G	Y	2	1.76	1.68	1.60
652-PEC11S929K-H0015	PEC11S-929K-H0015	G	Y	2	1.76	1.68	1.59
652-PEC11S929K-N0015	PEC11S-929K-N0015	G	N	2	1.76	1.68	1.60
652-PEC11S929K-S0015	PEC11S-929K-S0015	G	Y	2	1.76	1.68	1.60

14MM ROTARY OPTICAL ENCODER WITH SWITCH

Features:

- RoHS compliant*
- HCMOS, CMOS and TTL compatible
- Compact package size
- High rotational cycle life
- Standard or high force push switch option
- Optional detent

MOUSER STOCK NO.	Bourns Part No.	Fig.	Shaft Type	Pulses/Rev.	Price Each		
					1	5	25
652-EM14A0D-C24-L08N	EM14A0D-C24-L08N	H1	C	8	17.90	17.01	13.69
652-EM14A0D-C24-L32N	EM14A0D-C24-L032N	H1	C	32	17.90	17.01	13.69
652-EM14A0D-C24-L64N	EM14A0D-C24-L064N	H1	C	64	17.90	17.01	13.69
652-EM14C0D-E24-L16S	EM14C0D-E24-L016S	H2	E	16	19.10	17.18	14.61
652-EM14C0D-E24-L32S	EM14C0D-E24-L032S	H2	E	32	19.10	17.18	14.61
652-EM14C0D-E24-L64S	EM14C0D-E24-L064S	H2	E	64	19.10	17.18	14.61

DIMENSIONS: mm (in.)

