

## MEYLE ENCODER SELECTION GUIDE



Version	Incremental encoder shaft BINS24	Incremental encoder hollow shaft BINB24	Incremental encoder shaft BINS37	Incremental encoder hollow shaft BINH37
Type series				
<b>Electrical characteristics</b>				
Output	Push-pull	Push-pull	RS 422/Push-pull	RS 422/Push-pull
Supply voltage (VDC)	5 ... 24 or 8 ... 30	5 ... 24 or 8 ... 30	5 or 5 ... 30	5 or 5 ... 30
<b>Mechanical characteristics</b>				
Shaft Ø (mm)	4/5/6	4/6	4/5/6/8	4/5/6/8
housing diameter (mm)	24	24	36,8	36,8
max. speed (min <sup>-1</sup> )	12000	12000	6000	6000
max. shaft load radial/axial (N)	10/20		20/10	
max. working temp. (°C)	-20 ... +85	-20 ... +85	-20 ... +70	-20 ... +70
Protection to	IP 64	IP 64	IP 65/IP 67	IP 65/IP 67
Type of connection	cable	cable	IP 65/IP 67 cable	IP 65/IP 67 cable
max. resolution	1080	1024	1024	1024
highlights or product differentiations	miniature version	miniature hollow shaft version	economical version	economical hollow shaft version
catalogue page	22	24	26	28



Version	Incremental encoder shaft AINS40/AINS40Z	Incremental encoder hollow shaft AINH40Z	Incremental encoder shaft and hollow shaft FINS58/FINH58	Incremental encoder hollow shaft BINS58
Type series				
<b>Electrical characteristics</b>				
Output	RS 422/Push-pull	RS 422/Push-pull	RS 422/Push-pull/sine wave	RS 422/Push-pull
Supply voltage (VDC)	5 or 11 ... 30 or 5 ... 24	5 or 11 ... 30 or 5 ... 24	5 or 5 ... 30 or 4,75 ... 30	5 or 10 ... 30
<b>Mechanical characteristics</b>				
Shaft Ø (mm)	6	6	6/10 or 6/8/10/12/14	6/10
housing diameter (mm)	40	40	58	58
max. speed (min <sup>-1</sup> )	12000	12000	9000/12000	12000
max. shaft load radial/axial (N)	20/10	20/10	100/50	80/40
max. working temp. (°C)	-20 ... +80	-20 ... +80	-30 ... +100	-20 ... +105
Protection to	IP 54	IP 52	IP 65/IP 67	IP 65
Type of connection	cable	cable	80000 (interpolated)	cable, connector
max. resolution	2500/1024	1024	standard version	5000
highlights or product differentiations	standard version	standard hollow shaft version	Option: programmable sine wave output	high temperature (HT) version up to +105 °C
catalogue page	31	32	33	36

## MyInc-MyAbs

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Version	Incremental encoder shaft CINS58	Incremental encoder hollow shaft BINH58	Incremental encoder blind and hollow shaft CINB58	Incremental encoder hollow shaft CINH76
Type series				
<b>Electrical characteristics</b>				
Output	RS 422/Push-pull	RS 422/Push-pull	RS 422/Push-pull	RS 422/Push-pull
Supply voltage (VDC)	5 or 10 ... 30	5 or 10 ... 30	5 or 10 ... 30	5 or 10 ... 30
<b>Mechanical characteristics</b>				
Shaft Ø (mm)	6/10/12	6/10/12	10/12/14	15 ... 42
housing diameter (mm)	58	58	58	76
max. speed (min <sup>-1</sup> )	10000	12000/6000	6000	6000
max. shaft load radial/axial (N)	160/107 or 110/60			
max. working temp. (°C)	-25 ... +100	-20 ... +105	-25 ... +100	-25 ... +100
Protection to	IP 64/IP 67	IP 66	IP 64/IP 65	IP 40/IP 64
Type of connection	cable, connector	cable, connector	cable, connector	cable
max. resolution	10000	5000	5000	10000
highlights or product differentiations	high axial and radial shaft load large connection variety	high temperature (HT) version up to +105 °C	short overall length	large hollow shaft diameter
catalogue page	38	41	44	50



Version	Incremental encoder shaft AINS90/AINS90S	Incremental encoder shaft BINS90	Incremental encoder hollow shaft AINH90/AINH90S	Incremental encoder hollow shaft BINH100
Type series				
<b>Electrical characteristics</b>				
Output	RS 422/Push-pull	RS 422/Push-pull	RS 422/Push-pull	RS 422/Push-pull
Supply voltage (VDC)	5 or 11 ... 30	5 or 10 ... 30	5 or 11 ... 30	5 or 10 ... 30
<b>Mechanical characteristics</b>				
Shaft Ø (mm)	11/12	12	12/20/25/30/32	24 ... 42
housing diameter (mm)	90	90	90	100
max. speed (min <sup>-1</sup> )	6000	6000	4500	6000
max. shaft load radial/axial (N)	200/100	140/70		
max. working temp. (°C)	-20 ... +80	-20 ... +90	-20 ... +80	-20 ... +70
Protection to	IP 65	IP 66	IP 65	IP 65
Type of connection	cable, connector	cable, connector	cable, connector	cable, connector
max. resolution	10000	5000	10000	5000
highlights or product differentiations	heavy duty	heavy duty economical version	heavy duty hollow shaft	heavy duty large hollow shaft diameter sine wave output
catalogue page	53	55	57	59

## MyInc-MyAbs



Meyer Industrie-Electronic GmbH - MEYLE

Carl-Bosch-Strabe 8  
49525 Lengerich/Germany  
Tel.: (+49) 05481-9385-0  
Fax: (+49) 05481-9385-12  
Internet: www.meyle.de  
E-Mail: sales@meyle.de



Meyer Industrie-Electronic GmbH - MEYLE

Carl-Bosch-Strabe 8  
49525 Lengerich/Germany  
Tel.: (+49) 05481-9385-0  
Fax: (+49) 05481-9385-12  
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Version	Incremental encoder hollow shaft DINH100	Incremental encoder hollow shaft DINH145	Incremental encoder Ex shaft and hollow shaft AEX/IN	Draw Wire
Type series				CD
<b>Electrical characteristics</b>				
Output	RS 422/Push-pull	RS 422/Push-pull	RS 422/Push-pull	see section
Supply voltage (VDC)	4,75 ... 5,5 or 10 ... 30	4,75 ... 5,5 or 10 ... 30	5 or 11 ... 30	
<b>Mechanical characteristics</b>				
Shaft Ø (mm)	25 ... 45	48 ... 72	12/30	
housing diameter (mm)	100	145	116 or 104	
max. speed (min <sup>-1</sup> )	3500	800		
max. shaft load radial/axial (N)	200/100	200/100	100/50 or 30/20	
max. working temp. (°C)	-10 ... +70	-10 ... +70	-20 ... +80	
Protection to	IP 54	IP 54	IP 65	
Type of connection	cable, connector	cable, connector	cable	
max. resolution	4096	2500	10000	
highlights or product differentiations	heavy duty large hollow shaft diameter	heavy duty large hollow shaft diameter	EEx d IIC T6 certified absolut Ex encoder on request	incremental or absolute encoder
catalogue page	62	65	67	68



Version	Absolute encoder, singleturn and multiturn shaft and blind shaft CA xx 58	Absolute encoder, singleturn and multiturn shaft and blind shaft EA xx 58
Type series		
<b>Electrical characteristics</b>		
Output	SSI/BISS/Parallel/Profibus DP/Device Net/ CAN/CANopen/Interbus	SSI/Parallel/Profibus DP/Device Net/ CAN/CANopen/Ethernet
Supply voltage (VDC)	5 or 10 ... 30	10 ... 30
<b>Mechanical characteristics</b>		
Shaft Ø (mm)	6/10 or 10/12	6/10 or 8/10/12/15
housing diameter (mm)	58	58
max. speed (min <sup>-1</sup> )	12000	12000/6000
max. shaft load radial/axial (N)	60/40	110/40
max. working temp. (°C)	-40 ... +100	-40 ... +85
Protection to	IP 64/IP 67	IP 64/IP 66
Type of connection	cable, connector	cable, connector
max. resolution	29 Bits	25 Bits
highlights or product differentiations	Enhanced safety in function and application High temperature	Ethernet Interface large variety of resolutions
catalogue page	70	76

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## MEYLE ENCODER SELECTION GUIDE



Version	Absolute encoder, singleturn and multiturn hollow shaft BASH58/BAMH58	Absolute encoder singleturn, multiturn, fieldbus shaft or hollow shaft AAxx90
Type series		
<b>Electrical characteristics</b>		
Output	SSI/Parallel	SSI/Parallel/Profibus DP/Device Net/CANopen
Supply voltage (VDC)	5 or 10 ... 30	5 or 10 ... 30
<b>Mechanical characteristics</b>		
Shaft Ø (mm)	10/12	11/12 or 12/30
housing diameter (mm)	58	90
max. speed (min <sup>-1</sup> )	6000	6000 / 4500
max. shaft load radial/axial (N)		
max. working temp. (°C)	-20 ... +80	on request
Protection to	IP 66	IP 65
Type of connection	cable, connector	cable, connector
max. resolution	25 Bits	25 bits
highlights or product differentiations	hollow shaft clearance only 40,5 mm	heavy duty with 90 mm housing diameter large hollow shaft diameter
catalogue page	81	on request

### Special versions



Version	Incremental encoder shaft	Incremental encoder shaft	Absolute encoder, singleturn, taper shaft	Absolute encoder, singleturn and multiturn, shaft and hollow shaft BAXS90/BAXH90
Type series	DINS53	DINS58	GAST37	
<b>Electrical characteristics</b>				
Output	RS 422/Push-Pull	RS 422/Push-Pull	12/13 bits	SSI/Parallel/Profibus DP, CAN open
Supply voltage (VDC)	4,75 ... 5,5 or 10 ... 30	4,75 ... 5,5 or 10 ... 30	4,75 ... 5,25	10 ... 30
<b>Mechanical characteristics</b>				
Shaft Ø (mm)	6	12	5,5; taper 1:3	12 or 12 ... 30
housing diameter (mm)	53	58	37	90
max. speed (min <sup>-1</sup> )	6000	8000	12000	6000
max. shaft load radial/axial (N)	20/10	400/400		80/40
max. working temp. (°C)	-10 ... +70	-10 ... +70	-40 ... +115	-10 ... +80
Protection to	IP 68	IP 65/IP 67	IP 40	IP 65
Type of connection	cable, connector	cable, connector	12 pin PCB connector	cable, connector
max. resolution	1500	5000	13 Bits	25 Bits
highlights or product differentiations	High protection class IP 68, easy mounting	High shaft load	Absolute motor encoder Small dimensions Mounted stator coupling	Heavy duty
catalogue page	on request	on request	on request	on request

Specifications are subject to change without notice.



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