



SEW
EURODRIVE

Manual



MOVIDRIVE® MDX61B

Assignment of Distance Encoders and Absolute Encoders on
DEU21B, DIP11B, DEH21B, DER11B, DEH11B



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1 Encoder assignment

1.1 SSI encoders

Manufacturer	Encoder designation	Order designation	Encoder type	DEU21B		DIP11B / DEH21B		DER11B		DEH11B	
				X14	X15	X62	X15	X14	X15	X14	X15
Balluff	BTL5-S112B-M1500-P-S32	BTL5-S112B-Mxxxx-P-xxx	Linear distance sensor	x		x					
	BTL5-S112-M1500-P-S32	BTL5-S112-Mxxxx-P-xxx	Linear distance sensor	x							
	BML-S1G0	BML-S1G0-S7ED-M5EA-D0-S284	Linear distance sensor	x							
Dimetix	FLS-C 10		Laser distance measuring device	x							
Elgo	LIMAX2	LIMAX2-00-030-0125-SSG1-D15M0	Linear distance sensor	x		x					
Hübner	AH7Y	HMG161	Rotary encoder	x		x					
	HMG161	HMG161 S24 H2048	Rotary encoder	x		x					
IVO	GM 401	GM401.x20xxxx	Rotary encoder	x		x					
Kuebler	9081	8.9081xxxx2003	Rotary encoder	x		x					
	9081	8.9081xxxx2004	Rotary encoder	x							
Leuze	AMS 200/200	AMS200/xxx-11-x	Laser distance measuring device	x		x					
	AMS 304j	AMS 300 xxx	Linear encoder	x							
	BPS 37	BPS37xx-xxx-xx	Barcode distance sensor	x		x					
	OMS1	OMS1 0.1 mm	Linear encoder	x		x					
	OMS1	OMS1 1 mm	Linear encoder	x		x					
	OMS2	OMS2xx PB 0.1 mm	Linear encoder	x		x					
MTS Sensors	RP	RP-x-xxxxM-xxx-1-S3G1105	Linear distance sensor	x		x					
	RH	RH-x-xxxxM-xxx-1-S3G1105	Linear distance sensor	x		x					
	RF	RF-x-xxxxM-xxx-1-S3G1105	Linear distance sensor	x		x					
	RD4	RD4-x-xx-xxxxM-xxx-S3G1105	Linear distance sensor	x		x					
Pepperl+Fuchs	EDM		Linear encoder	x		x					
	PCV80S-F200-SSI	PCV80S-F200-SSI-V19 0.1 mm	Linear encoder	x							
	PCV80S-F200-SSI	PCV80S-F200-SSI-V19 1 mm	Linear encoder	x							
	VDM100	VDM100-xxx-SSI 0.1 mm	Linear encoder	x		x					
	VDM100	VDM100-xxx-SSI 1 mm	Linear encoder	x		x					
	VDM100-150	VDM100-150	Laser distance measuring device	x		x					
	WCS2(A)-LS311	WCS2(A)-LS311	Barcode distance sensor	x		x					
	WCS3(A)-LS311	WCS3(A)-LS311	Barcode distance sensor	x		x					
	WCS3(B)-LS311	WCS3(B)-LS311	Barcode distance sensor	x		x					

Manufacturer	Encoder designation	Order designation	Encoder type	DEU21B		DIP11B / DEH21B		DER11B		DEH11B	
				X14	X15	X62	X15	X14	X15	X14	X15
Sick/Stegmann	AFM60B	AFM60B-Sxxx032768	Rotary encoder	x							
	AFM60E	AFM60E-SxAx004096	Rotary encoder	x							
	DL100	DL100-1xAA2101	Linear encoder	x							
	DL100Hi	DL100-2xAA2101	Linear encoder	x							
	DL50Hi	DL50-x2228	Linear encoder	x							
	DME3000-111	DME3000-x11	Linear encoder			x					
	DME3000-x17	DME3000-x17	Laser distance measuring device	x		x					
	DME4000-x11	DME4000-x11 0,1 mm	Laser distance measuring device	x		x					
	DME4000-x11	DME4000-x11 1 mm	Laser distance measuring device	x		x					
	DME5000-x11	DME5000-x11 0,1 mm	Laser distance measuring device	x		x					
	DME5000-x11	DME5000-x11 1 mm	Laser distance measuring device	x		x					
	AG 100 MSSI	AG100 412400000000	Rotary encoder	x		x					
	AG 626	ATM60Ax12X12	Rotary encoder	x		x					
	ARS60	ARS60-Axxxxxxx	Rotary encoder	x							
	ATM60	ATM60-Ax12X12	Rotary encoder	x		x					
	ATM90	ATM90-Ax12X12	Rotary encoder	x							
	POMUX KH53	POMUX KH54	Linear distance sensor	x		x					
	TTK70 (contact SEW-EURODRIVE prior to use)	–	Linear distance sensor	x	x						
	OLM100-10x1	OLM100-10x1	Linear encoder	x							
	OLM100-12x1	OLM100-12x1	Linear encoder	x							
SIKO	MSA1000	MSA1000	Linear distance sensor	x							
TR Electronic	CE 58M SSI	CEx58M-SSI	Rotary encoder	x		x					
	CE 65M SSI	CEx65M-SSI	Rotary encoder	x		x					
	LA41K	304-00319-xxxx	Linear distance sensor	x		x					
	LE100	LE100SSI 0.1 mm	Laser distance measuring device	x		x					
	LE100	LE100SSI 1 mm	Laser distance measuring device	x		x					
	LE200	LE200 SSI 2200-20002	Laser distance measuring device	x		x					
Vahle	APOS		Linear encoder	x							

1.2 SSI combination encoders

Manufacturer	Encoder designation	Order designation	Encoder type	DEU21B		DIP11B / DEH21B		DER11B		DEH11B	
				X14	X15	X62	X15	X14	X15	X14	X15
Balluff	BML-S1G0	BML-S1G0-S7EC-M5EA-D0-S284	Linear encoder	x	x						
Pepperl+Fuchs	Axx58/AVM58X-1212	Axx58x-xxxxxxGx-1212	Rotary encoder	x	x	x					
	AVM58X	AVM58X-032KARYGN-1212	Rotary encoder	x	x	x					
Heidenhain	ROQ424	586638-82	Rotary encoder	x	x	x					
	ROQ425 ATEX	16228413	Rotary encoder	x	x						
Hübner	AMG73 S24 S2048	AMG73 S24 S2048	Rotary encoder	x	x	x					
	AMG83 S24 S2048	AMG83 S24 S2048	Rotary encoder	x	x	x					

1.3 HIPERFACE® encoders

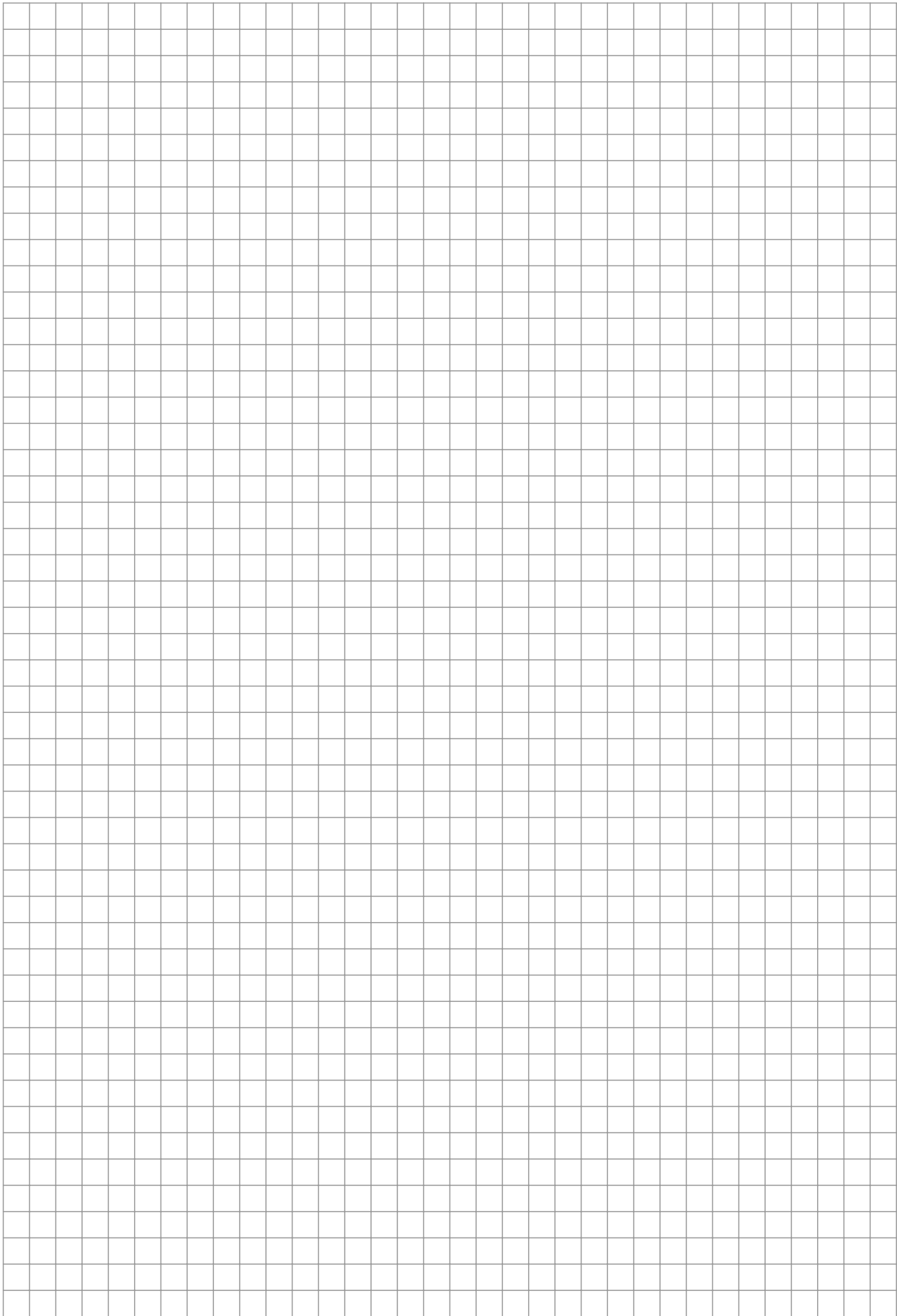
Manufacturer	Encoder designation	Order designation	Encoder type	DEU21B		DIP11B / DEH21B		DER11B		DEH11B	
				X14	X15	X62	X15	X14	X15	X14	X15
Sick/Stegmann	DME4000-xx7	DME4000-x17	Laser distance measuring device	x				x		x	
	DME5000-xx7	DME5000-x17	Laser distance measuring device	x				x		x	
	SKM36 (AK0H)	SKM 36-HFA0-K02 SKM 36S-HFA0-K02	Rotary encoder	x	x		x	x		x	x
	SKS36 (EK0H)	SKS36-HFA0-K02	Rotary encoder	x	x		x	x		x	x
	SRM50 (AF1H)	SRM50-HZA0-S05	Rotary encoder	x	x		x	x		x	x
	SRM50 (AK1H)	SRM50-HFA0-K22 SRM50S-HFA0-K22	Rotary encoder	x	x		x	x		x	x
	SRM50 (AS1H)	SRM50-HZZ0-S01 SRM50-HZA0-S05	Rotary encoder	x	x		x	x		x	x
	SRN50 (AV6H)	SRM50-HWZ0-S02	Rotary encoder	x	x		x	x		x	x
	SRM50C3 (AV1H)	SRM50C3 01871897	Rotary encoder	x	x		x	x		x	x
	SRM60	SRM60	Rotary encoder	x	x		x	x		x	x
	SRM64 (AS3H)	SRM 64 01880004	Rotary encoder	x	x		x	x		x	x
	SRM64 (AS4H)	SRM64 01880012	Rotary encoder	x	x		x	x		x	x
	SRM64 (AS7H)	SRM64 13790005	Rotary encoder	x	x		x	x		x	x
	SRS50	SRS50-HGx0-K0x	Rotary encoder	x	x		x	x		x	x
	SRS50 (EF1H)	SRS50-HZA0-S03	Rotary encoder	x	x		x	x		x	x
	SRS50 (ES1H)	SRS50-HZZ0-S01 13332171 SRS50-HZA0-S03 13328603	Rotary encoder	x	x		x	x		x	x
	SRS50 (EV1H)	SRS50 C16	Rotary encoder	x	x		x	x		x	x
	SRS60	SRS60 HGx0-K0x	Rotary encoder	x	x		x	x		x	x
	SRS64	SRS64	Rotary encoder	x	x		x	x		x	x
	SRS64 (ES3H)	SRS64 01880012	Rotary encoder	x	x		x	x		x	x
	SRS64 (ES4H)	SRS64 01879855	Rotary encoder	x	x		x	x		x	x
	SRS64 (ES7H)	SRS64 13617125	Rotary encoder	x	x		x	x		x	x
	LinCoder L230	L230-P58002S00000	Linear encoder	x	x		x	x		x	x
	TTK70 (contact SEW-EURODRIVE prior to use)	TTK70	Linear distance sensor	x	x						
Hübner	AMG38W (AG7W)	AMG38 W29 S2048	Rotary encoder	x	x		x	x		x	x
	AMG73 (AS7Y, AV7W)	AMG73 W29 S2048	Rotary encoder	x	x		x	x		x	x

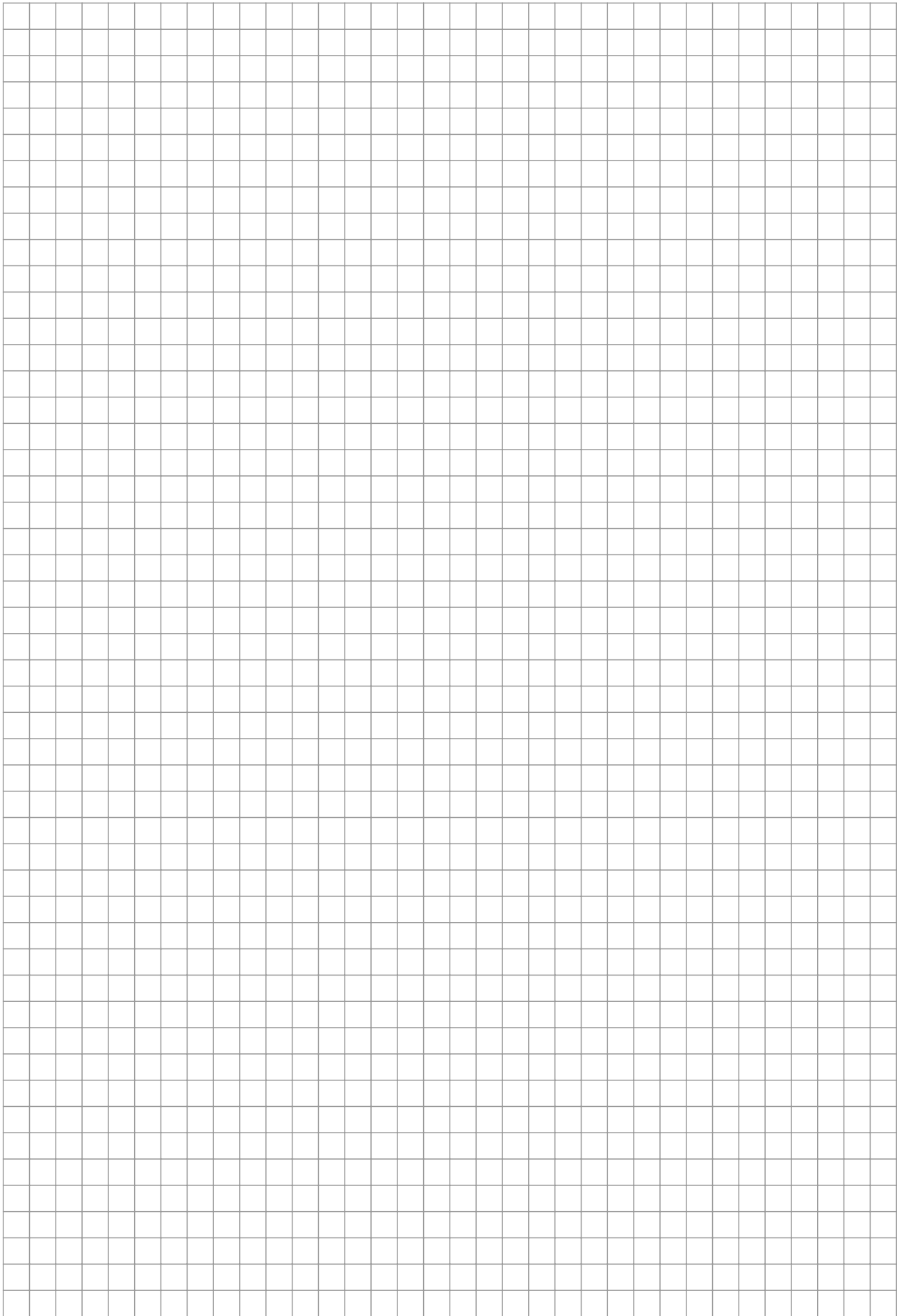
1.4 CANopen encoders

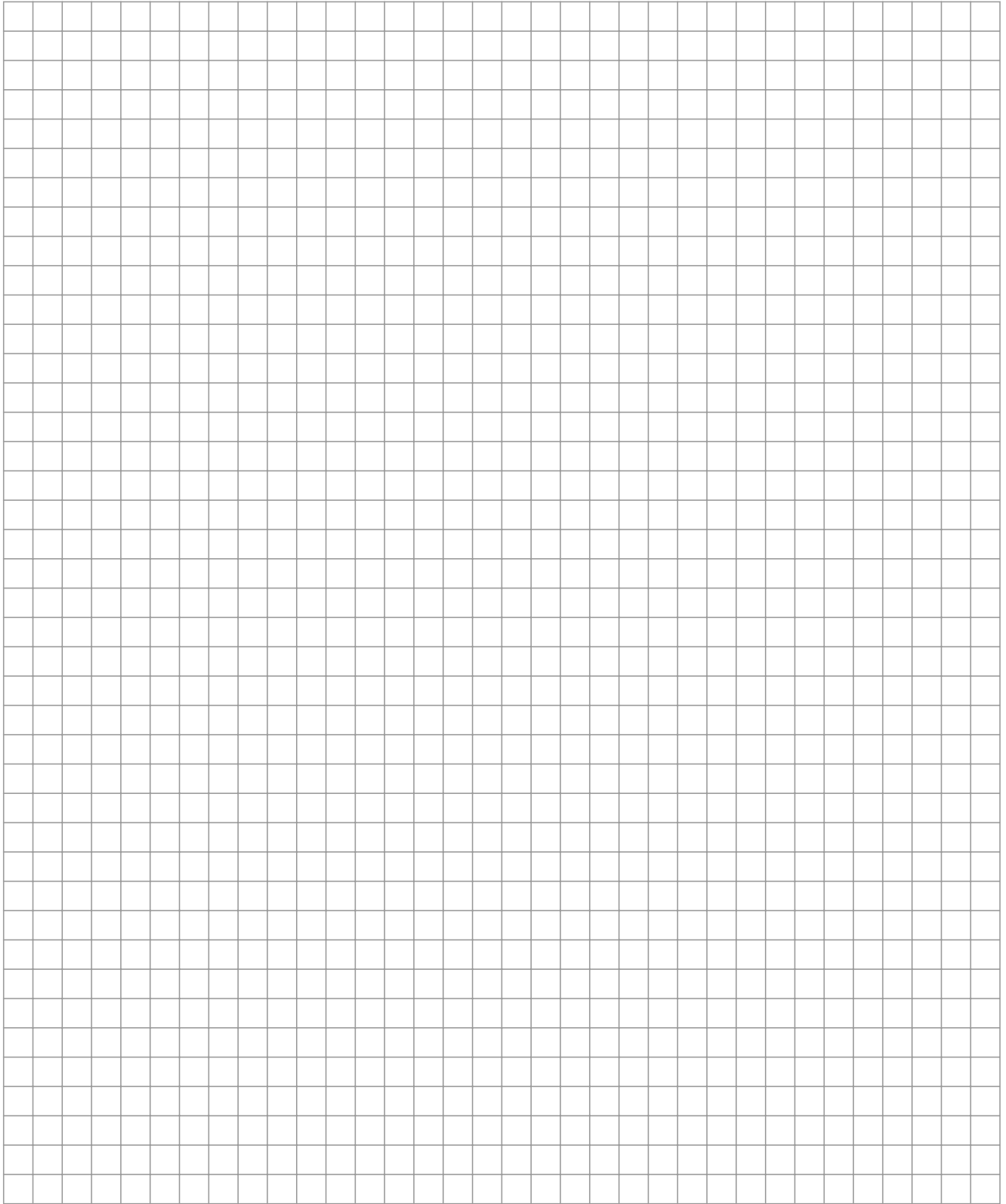
Manufacturer	Encoder designation	Order designation	Encoder type	DEU21B		DIP11B / DEH21B		DER11B		DEH11B	
				X14	X15	X62	X15	X14	X15	X14	X15
Pepperl+Fuchs	WCS3(B)-LS410	WCS3(B)-LS410	Barcode distance sensor	×							
Sick/Stegmann	DME4000-xx9	DME4000-x19 0.1 mm DME4000-x19 1 mm	Laser distance measuring device	×							
TR Electronic	CE 58M CANopen	CEx58M CANopen	Rotary encoder	×							
	LE200 CANopen	LE200 CANopen 0.1 mm LE200 CANopen 1 mm	Linear encoder	×							

1.5 EnDat encoders

Manufacturer	Encoder designation	Order designation	Encoder type	DEU21B		DIP11B / DEH21B		DER11B		DEH11B	
				X14	X15	X62	X15	X14	X15	X14	X15
Heidenhain	ECN1313	ECN1313/EnDat01	Rotary encoder	×	×						
	EQN1125	EQN1125/EnDat01	Rotary encoder	×	×						
	EQN1325	EQN1325/EnDat01	Rotary encoder	×	×						
	EQN425	EQN425/EnDat01	Rotary encoder	×	×						
	ECN113	EQN113/EnDat01	Rotary encoder	×	×						
	ROQ425 ATEX	ROQ425	Rotary encoder	×	×						
	ROQ425	ROQ425	Rotary encoder	×	×						









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