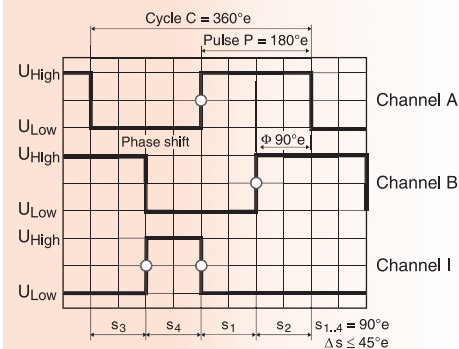


Encoder MR, Typ M, 32 Counts per turn, 2 / 3 Channels



- Stock program
- Standard program
- Special program (on request)

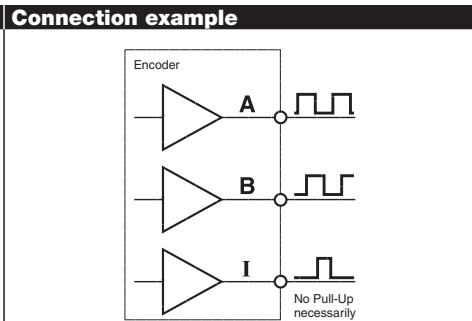
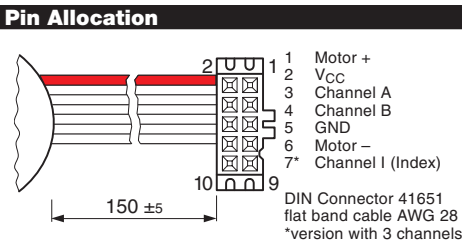
Order Number	
201935	201938

Type		
Counts per turn	32	32
Number of channels	2	3
Max. operating frequency (kHz)	8	8



Combination						Overall length [mm] / see: + Gearhead	
+ Motor	Page	+ Gearhead	Page	+ Brake	Page		
RE 16, 2 W	72					28.0	28.0
RE 16, 2 W	72	GP 16, 0.06 - 0.18 Nm	223				
RE 16, 2 W	72	GP 16, 0.1 - 0.3 Nm	224				
RE 16, 3.2 W	74					45.4	45.4
RE 16, 3.2 W	74	GP 16, 0.06 - 0.18 Nm	223				
RE 16, 3.2 W	74	GP 16, 0.1 - 0.3 Nm	224				
RE 16, 4.5 W	76					48.4	48.4
RE 16, 4.5 W	76	GP 16, 0.06 - 0.18 Nm	223				
RE 16, 4.5 W	76	GP 16, 0.1 - 0.3 Nm	224				
A-max 16	104/106					30.4	30.4
A-max 16	104/106	GS 16, 0.01 - 0.1 Nm	219-222				
A-max 16	104/106	GP 16, 0.06 - 0.18 Nm	223				
A-max 16	104/106	GP 16, 0.1 - 0.3 Nm	224				
A-max 19, 1.5 W	108					34.0	34.0
A-max 19, 1.5 W	108	GP 19, 0.1 - 0.3 Nm	226				
A-max 19, 1.5 W	108	GS 20, 0.06 - 0.25 Nm	227				
A-max 19, 1.5 W	108	GP 22, 0.5 - 2.0 Nm	228/231				
A-max 19, 1.5 W	108	GS 24, 0.1 Nm	234				
A-max 19, 2.5 W	110					35.8	35.8
A-max 19, 2.5 W	110	GP 19, 0.1 - 0.3 Nm	226				
A-max 19, 2.5 W	110	GS 20, 0.06 - 0.25 Nm	227				
A-max 19, 2.5 W	110	GP 22, 0.1 - 2.0 Nm	228/231				
A-max 19, 2.5 W	110	GS 24, 0.1 Nm	234				
A-max 22	112/114					36.9	36.9
A-max 22	112/114	GP 22, 0.1 - 0.6 Nm	228/229				
A-max 22	112/114	GP 22, 0.5 - 2.0 Nm	228-231				
A-max 22	112/114	GS 24, 0.1 Nm	234				
RE-max 17	134/136					30.4	30.4
RE-max 17	134/136	GP 16, 0.06 - 0.18 Nm	223				
RE-max 17	134/136	GP 16, 0.1 - 0.3 Nm	224				
RE-max 21, 3.5 W	138					34.0	34.0
RE-max 21, 3.5 W	138	GP 22, 0.5 - 2.0 Nm	230/231				
RE-max 21, 3.5 W	138	GS 38, 0.1 - 0.6 Nm	243				
RE-max 21, 6 W	140					35.8	35.8
RE-max 21, 6 W	140	GP 22, 0.5 - 2.0 Nm	230/231				
RE-max 21, 6 W	140	GS 38, 0.1 - 0.6 Nm	243				
RE-max 24	142/144					36.9	36.9
RE-max 24	142/144	GP 22, 0.5 - 2.0 Nm	231				
RE-max 24	142/144	GS 38, 0.1 - 0.6 Nm	243				

Technical Data	
Supply voltage V _{CC}	2.7 - 5.5 V
Output signal V _{CC} = 5 VDC	TTL compatible
Index pulse width (nominal)	90°e ± 45°e
Operating temperature range	-25 ... +85°C
Moment of inertia of code wheel	≤ 0.09 gcm ²
Output current per channel	max. 5 mA



The index signal I is not synchronised with channel A or B
The length of the index signal can last more than one cycle.