Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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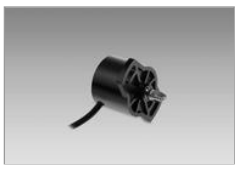
ДАТЧИКИ ПОЛОЖЕНИЯ

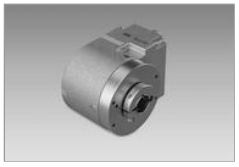
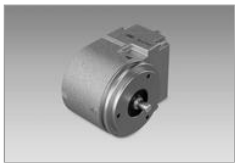
Технические характеристики

Sample picture	Product family	Size (flange)	Shaft type	Resolution max.	Features
	EAM360 - hollow shaft CANopen® - MAGRES	ø36 mm	ø10...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM360 - hollow shaft SSI - MAGRES	ø36 mm	ø10...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• SSI
	EAM360 - solid shaft CANopen® - MAGRES	ø36 mm	ø10 x 16 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM360 - solid shaft SSI - MAGRES	ø36 mm	ø10 x 16 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• SSI
	EAM360R - hollow shaft CANopen®/SAE J1939 - MAGRES	ø36 mm	ø10...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM360R - solid shaft CANopen®/SAE J1939 - MAGRES	ø36 mm	ø10 x 16 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM360R - hollow shaft analog - MAGRES	ø36 mm	ø10...15 mm (blind hollow shaft)	-	• Analog
	EAM360R - solid shaft analog - MAGRES	ø36 mm	ø10 x 16 mm, solid shaft with flat	-	• Analog
	EAM580 - hollow shaft CANopen® - MAGRES	ø58 mm	ø12...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM580 - hollow shaft PROFINET - MAGRES	ø58 mm	ø12...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤65536 / 16 bit	• PROFINET IO
	EAM580 - hollow shaft SSI - MAGRES	ø58 mm	ø12...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• SSI

					
	EAM580 - clamping flange CANopen® - MAGRES	ø58 mm	ø10 x 20 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM580 - synchro flange CANopen® - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM580 - clamping flange PROFINET - MAGRES	ø58 mm	ø10 x 20 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤65536 / 16 bit	• PROFINET IO
	EAM580 - synchro flange PROFINET - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤65536 / 16 bit	• PROFINET IO
	EAM580 - clamping flange SSI - MAGRES	ø58 mm	ø10 x 20 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• SSI
	EAM580 - synchro flange SSI - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• SSI
	EAM580R - hollow shaft CANopen® - MAGRES redundant	ø58 mm	ø12...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM580R - hollow shaft CANopen®/SAE J1939 - MAGRES	ø58 mm	ø12...15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM580R - hollow shaft analog - MAGRES	ø58 mm	ø12...15 mm (blind hollow shaft)	-	• Analog
	EAM580R - clamping flange CANopen® - MAGRES redundant	ø58 mm	ø10 x 20 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM580R - synchro flange CANopen® - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat	ST ≤16384 / 14 bit	• CANopen®

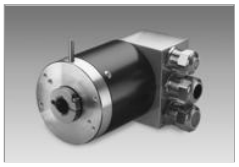
	redundant			MT ≤262144 / 18 bit	
	EAM580R - clamping flange CANopen®/SAE J1939 - MAGRES	ø58 mm	ø10 x 16 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM580R - synchro flange CANopen®/SAE J1939 - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM580R - clamping flange analog - MAGRES	ø58 mm	ø10 x 20 mm, solid shaft with flat	-	• Analog
	EAM580R - synchro flange analog - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat	-	• Analog
	EAM360 - Kit SSI - MAGRES	ø36 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• SSI
	EAM360 - Kit CANopen® - MAGRES	ø36 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM360R - Kit CANopen®/SAE J1939 - MAGRES	ø36 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM360R - Kit analog - MAGRES	ø36 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	-	• Analog
	EAM580 - Kit SSI - MAGRES	ø58 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• SSI
	EAM580 - Kit CANopen® - MAGRES	ø58 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen®
	EAM580 - Kit PROFINET - MAGRES	ø58 mm	ø6 mm (magnet bore) ø8 mm (magnet bore)	ST ≤16384 / 14 bit	• PROFINET IO

			ø12 mm (magnet bore)	MT ≤65536 / 16 bit	
	EAM580R - Kit CANopen®/SAE J1939 - MAGRES	ø58 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	ST ≤16384 / 14 bit MT ≤262144 / 18 bit	• CANopen® • SAE J1939
	EAM580R - Kit analog - MAGRES	ø58 mm	ø6 mm (magnet bore) ø8 mm (magnet bore) ø12 mm (magnet bore)	-	• Analog
	EAM280 - solid shaft analog	ø48 mm, housing 28.6 mm	ø6 mm, solid shaft with flat Push-on coupling	-	• Singleturn • Analog
	BMMV 58K flexible - MAGRES	ø58 mm	ø10 x 20 mm, solid shaft with flat (clamping flange)	ST ≤4096 / 12 bit MT ≤262144 / 18 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP • SAEJ1939, PoE, Profibus • PROFINET, POWERLINK
	BMSV 58K flexible - MAGRES	ø58 mm	ø10 x 20 mm, solid shaft with flat (clamping flange)	ST ≤4096 / 12 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP • SAEJ1939, PoE, Profibus • PROFINET, POWERLINK
	BMMV 58S flexible - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat (synchro flange)	ST ≤4096 / 12 bit MT ≤262144 / 18 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP • SAEJ1939, PoE, Profibus • PROFINET, POWERLINK
	BMSV 58S flexible - MAGRES	ø58 mm	ø6 x 10 mm, solid shaft with flat (synchro flange)	ST ≤4096 / 12 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP • SAEJ1939, PoE, Profibus • PROFINET, POWERLINK
	BMMH 58 flexible - MAGRES	ø58 mm	ø12 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤4096 / 12 bit MT ≤262144 / 18 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP • SAEJ1939, PoE, Profibus • PROFINET, POWERLINK
	BMSH 58 flexible - MAGRES	ø58 mm	ø12 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤4096 / 12 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP • SAEJ1939, PoE, Profibus • PROFINET, POWERLINK
	EAL580-B - blind hollow shaft	ø58 mm	ø10...15 mm (blind hollow shaft)	ST ≤262144 / 18 bit (adjustable) MT ≤65536 / 16 bit (adjustable)	• PROFINET I/O

	EAL580-T - through hollow shaft	ø58 mm	ø10...14 mm (through hollow shaft)	ST ≤262144 / 18 bit (adjustable) MT ≤65536 / 16 bit (adjustable)	• PROFINET I/O
	EAL580-SC - clamping flange	ø58 mm	ø10 x 20 mm, solid shaft with flat	ST ≤262144 / 18 bit (adjustable) MT ≤65536 / 16 bit (adjustable)	• PROFINET I/O
	EAL580-SY - synchro flange	ø58 mm	ø6 x 10 mm, solid shaft with flat	ST ≤262144 / 18 bit (adjustable) MT ≤65536 / 16 bit (adjustable)	• PROFINET I/O
	EFL580 - SSI	ø58 mm	ø9.25 mm cone shaft (1:10)	ST 8192 / 13 bit	• SSI • Operating temperature max. +105 °C
	EFL580 - BiSS C	ø58 mm	ø9.25 mm cone shaft (1:10)	ST 8192 / 13 bit	• BiSS C • Operating temperature max. +105 °C
	GM400	ø58 mm	ø10 mm solid shaft	ST ≤16384 / 14 bit MT ≤65536 / 16 bit	• Incremental outputs as option
	GA240 - SSI	ø58 mm	ø10 mm solid shaft	ST ≤16384 / 14 bit	• Gray or binary code
	GM401	ø58 mm	ø6 mm solid shaft	ST ≤16384 / 14 bit MT ≤65536 / 16 bit	• Incremental outputs as option
	GA241 - SSI	ø58 mm	ø6 mm solid shaft	ST ≤16384 / 14 bit	• Gray or binary code
	GXM2S	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤16384 / 14 bit MT 4096 / 12 bit	• Diagnostic functions
					•

	GXA2S	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm	ST ≤16384 / 14 bit	
	G0M2H	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤16384 / 14 bit MT 4096 / 12 bit	• Diagnostic functions
	G0A2H	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤16384 / 14 bit	• Diagnostic functions
	GXP5W - CANopen®	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen® • CANopen® Lift • Status indicator
	GXP5S - CANopen®	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen® • LED status indicator
	G0P5H - CANopen®	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen® • LED status indicator
	GXP8W - DeviceNet	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• DeviceNet • LED status indicator
	GXM7W - RS485	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST 8192 / 13 bit MT 4096 / 12 bit	• RS485
	GXM7S - RS485	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft)	ST 8192 / 13 bit MT 4096 / 12 bit	• RS485
	GXM7W - SLIN	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST 8192 / 13 bit MT 4096 / 12 bit	• SLIN protocol
	GA240 - parallel	ø58 mm	ø10 mm solid shaft	ST 8192 / 13 bit	• Gray code

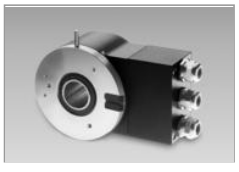
	GA241 - parallel	ø58 mm	ø6 mm solid shaft	ST 8192 / 13 bit	• Gray code
	GXMMW	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GXAMW	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤8192 / 13 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GXMMW + incremental	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GXMMS	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GXAMS	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤8192 / 13 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GXMMS + incremental	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	G0MMH	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen®, DeviceNet • EtherNet/IP • Profibus, PROFINET
	G0AMH	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤8192 / 13 bit	• CANopen®, DeviceNet • EtherNet/IP • Profibus, PROFINET
	GBM2W	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST 262144 / 18 bit MT 4096 / 12 bit	• Optional incremental outputs
	GBA2W	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤262144 / 18 bit	• Diagnostic functions • Incremental outputs as option
	GBM2S	ø58 mm	ø12 mm (blind hollow shaft)	ST 262144 / 18 bit	• Diagnostic functions

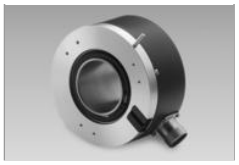
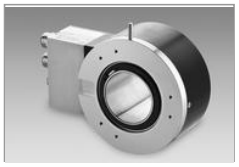
			ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	MT 4096 / 12 bit	
	GBA2S	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤262144 / 18 bit	• Diagnostic functions • Incremental outputs as option
	GBM2H	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST 262144 / 18 bit MT 4096 / 12 bit	• Diagnostic functions
	GBA2H	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤262144 / 18 bit	• Diagnostic functions • Incremental outputs as option
	GBP5W - CANopen®	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤262144 / 18 bit MT ≤16384 / 14 bit	• CANopen® • CANopen® Lift • Status indicator
	GBP5H - CANopen®	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤262144 / 18 bit MT ≤16384 / 14 bit	• CANopen® • LED status indicator
	GBMMW	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤262144 / 18 bit MT ≤8192 / 13 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GBAMW	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤262144 / 18 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GBMMS	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤262144 / 18 bit MT ≤8192 / 13 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GBAMS	ø58 mm	ø12 mm (blind hollow shaft) ø14 mm (blind hollow shaft) ø15 mm (blind hollow shaft)	ST ≤262144 / 18 bit	• CANopen®, DeviceNet • EtherCAT, EtherNet/IP, SSI • SAEJ1939, Profibus • PROFINET, POWERLINK
	GBMMH	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow	ST ≤262144 / 18 bit MT ≤8192 / 13 bit	• Total resolution 31 bit • CANopen®, DeviceNet • EtherNet/IP • Profibus, PROFINET

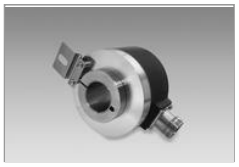
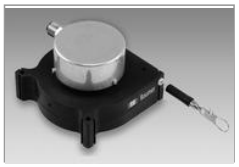
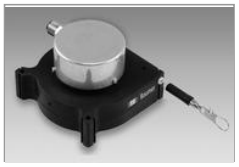
			shaft)		
	GBAMH	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤262144 / 18 bit	• CANopen®, DeviceNet • EtherNet/IP • Profibus, PROFINET
	BMMV 58K SSI - MAGRES hermetic	ø58 mm	ø10 mm solid shaft (clamping flange)	ST 4096 / 12 bit MT 8192 / 13 bit	• Material: stainless steel 1.4305 • Protection IP 69K
	BMMV 58K CANopen® - MAGRES hermetic	ø58 mm	ø10 mm solid shaft (clamping flange)	ST ≤4096 / 12 bit MT ≤262144 / 18 bit	• Material: stainless steel 1.4305 • Protection IP 69K
	BMMV 58K Profibus-DP - MAGRES hermetic	ø58 mm	ø10 mm solid shaft (clamping flange)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• Material: stainless steel 1.4305 • Protection IP 69K
	BMMV 58K flexible - MAGRES hermetic	ø58 mm	ø10 mm solid shaft (clamping flange)	ST ≤4096 / 12 bit MT ≤262144 / 18 bit	• Protection IP 69K • CANopen®, DeviceNet • EtherCAT, EtherNet/IP • SAEJ1939, Profibus • PROFINET, POWERLINK
	GE244	ø58 mm	ø10 mm solid shaft	ST ≤16384 / 14 bit	• Stainless steel design • Gray or binary code
	GE404	ø58 mm	ø10 mm solid shaft	ST ≤16384 / 14 bit MT 4096 / 12 bit	• Stainless steel design
	GEMMH	ø58 mm	ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• Stainless steel design • CANopen® • DeviceNet • EtherNet-IP • Profibus • PROFINET
	GEMMW	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• Stainless steel design • CANopen® • DeviceNet • Profibus
	AMG 71	ø60 mm	ø6 mm solid shaft	ST 8192 / 13 bit MT 4096 / 12 bit	• ATEX II 3 G / 3 D

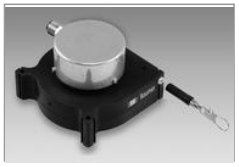
	AMG 81	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT 4096 / 12 bit	• ATEX II 3 G / 3 D • SSI, Profibus, CANopen®
	AMG 11	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT ≤65536 / 16 bit	• ATEX II 3 G / 3 D • SSI, Profibus, CANopen®, DeviceNet, PROFINET • Multiturn sensing with microGen technologie • Without gears and battery • Special protection against corrosion
	AMG 11 + FSL	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT ≤65536 / 16 bit	• Encoder combination with centrifugal switch FSL • SSI, Profibus, CANopen®, DeviceNet • Multiturn sensing with microGen technologie • Without gears and battery • EURO flange B10 • Special protection against corrosion
	HMG 11	ø122 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT ≤65536 / 16 bit	• ATEX II 3G/3D • SSI, Profibus, CANopen®, DeviceNet, PROFINET • Multiturn sensing with microGen technologie • Without gears and battery • Special protection against corrosion
	HMG10-B - SSI	ø105 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 1048576 / 20 bit MT 1048576 / 20 bit	• SSI • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-T - SSI	ø105 mm	ø16...20 mm (through hollow shaft)	ST 1048576 / 20 bit MT 1048576 / 20 bit	• SSI • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-B - CANopen®	ø105 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT 65536 / 16 bit	• CANopen® • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-B - DeviceNet	ø105 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT 65536 / 16 bit	• DeviceNet • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-B - Profibus DP	ø105 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT 65536 / 16 bit	• Profibus-DPV0 or DPV2 • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-T - CANopen®	ø105 mm	ø16...20 mm (through hollow shaft)	ST 8192 / 13 bit MT 65536 / 16 bit	• CANopen® • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-T - DeviceNet	ø105 mm	ø16...20 mm (through hollow shaft)	ST 8192 / 13 bit MT 65536 / 16 bit	• DeviceNet • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery

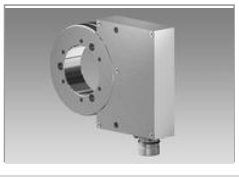
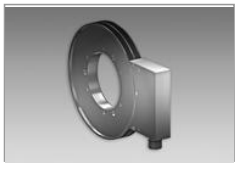
					
	HMG10-T - Profibus DP	ø105 mm	ø16...20 mm (through hollow shaft)	ST 8192 / 13 bit MT 65536 / 16 bit	• Profibus-DPV0 or DPV2 • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-B EtherCAT	ø105 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT 65536 / 16 bit	• EtherCAT • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-B EtherNet/IP	ø105 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT 65536 / 16 bit	• EtherNet/IP • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-B PROFINET	ø105 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT 65536 / 16 bit	• PROFINET • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-T EtherCAT	ø105 mm	ø16...20 mm (through hollow shaft)	ST 8192 / 13 bit MT 65536 / 16 bit	• EtherCAT • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-T EtherNet/IP	ø105 mm	ø16...20 mm (through hollow shaft)	ST 8192 / 13 bit MT 65536 / 16 bit	• EtherNet/IP • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG10-T PROFINET	ø105 mm	ø16...20 mm (through hollow shaft)	ST 8192 / 13 bit MT 65536 / 16 bit	• PROFINET • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	PMG10 - SSI	ø115 mm	ø11 mm solid shaft	ST 1048576 / 20 bit MT 1048576 / 20 bit	• SSI • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	PMG10 - CANopen®	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT 65536 / 16 bit	• CANopen® • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	PMG10 - DeviceNet	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT 65536 / 16 bit	• DeviceNet • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	PMG10 - Profibus DP	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT 65536 /	• Profibus-DPV0 or DPV2 • Protection against corrosion C5-M

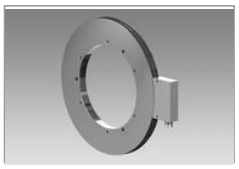
				16 bit	• Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	PMG10 - EtherCAT	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT 65536 / 16 bit	• EtherCAT • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	PMG10 - EtherNet/IP	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT 65536 / 16 bit	• EtherNet/IP • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	PMG10 - PROFINET	ø115 mm	ø11 mm solid shaft	ST 8192 / 13 bit MT 65536 / 16 bit	• PROFINET • Protection against corrosion C5-M • Integrated speed switch • Multiturn sensing with Energy Harvesting technologie • Without gears and battery
	HMG 11 + ESL 90	ø122 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT ≤65536 / 16 bit	• Encoder combination with electronic speed switch ESL • SSI, Profibus, CANopen®, DeviceNet • Multiturn sensing with microGen technologie • Without gears and battery • Special protection against corrosion
	HMG 11 + ESL 93	ø122 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT ≤65536 / 16 bit	• Encoder combination with electronic speed switch ESL • SSI, Profibus, CANopen®, DeviceNet • Multiturn sensing with microGen technologie • Without gears and battery • Special protection against corrosion
	HMG 11 + FSL	ø122 mm	ø16...20 mm (blind hollow shaft) ø17 mm (cone shaft 1:10)	ST 8192 / 13 bit MT ≤65536 / 16 bit	• Encoder combination with centrifugal switch FSL • SSI, Profibus, CANopen®, DeviceNet • Multiturn sensing with microGen technologie • Without gears and battery • Special protection against corrosion
	HMG 161	ø160 mm	ø38...70 mm (through hollow shaft)	ST 8192 / 13 bit MT ≤65536 / 16 bit	• ATEX II 3 G / 3 D • SSI, Profibus, CANopen®, DeviceNet • Multiturn sensing with microGen technologie • Without gears and battery • Special protection against corrosion
	G1M2H	ø90 mm	ø25.4 mm (through hollow shaft)	ST 8192 / 13 bit MT 4096 / 12 bit	• Diagnostic functions
	G1MMH	ø90 mm	ø16...25.4 mm (through hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen® • DeviceNet • Profibus
	G2M2H	ø116 mm	ø50.8 mm (through hollow shaft)	ST 8192 / 13 bit MT 4096 / 12 bit	• Diagnostic functions

					
	G2MMH	ø116 mm	ø50.8 mm (through hollow shaft)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• CANopen® • DeviceNet • Profibus
	X 700 - SSI Multiturn	ø70 mm	ø10 mm solid shaft (clamping flange)	ST 16384 / 14 bit MT 4096 / 12 bit	• Ex II 2D/2G (ATEX) • SSI
	X 700 - SSI Singleturn	ø70 mm	ø10 mm solid shaft (clamping flange)	ST 16384 / 14 bit	• Ex II 2D/2G (ATEX) • SSI
	X 700 - CANopen®	ø70 mm	ø10 mm solid shaft (clamping flange)	ST ≤262144 / 18 bit MT ≤16384 / 14 bit	• Ex II 2D/2G (ATEX) • CANopen®
	X 700 - Profibus	ø70 mm	ø10 mm solid shaft (clamping flange)	ST ≤8192 / 13 bit MT ≤65536 / 16 bit	• Ex II 2D/2G (ATEX) • Profibus
	ATD 07S A 4	ø24 mm	ø4 mm (blind hollow shaft)	ST 4096 / 12 bit	• SSI • Gray code • Mini encoder
	ATD 2A A 4 Y 7	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST 16384 / 14 bit MT 1024 / 10 bit	• Analog output • Multiturn
	ATD 2A B14 Y 1	ø58 mm	ø6 mm solid shaft	ST 16384 / 14 bit	• Analog output • Singleturn
	ATD 2S A 4 Y 7	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST ≤16384 / 14 bit MT ≤16777216 / 24 bit	• SSI • Diagnostic functions • Incremental outputs as option
	ATD 2S B14 Y21	ø58 mm	ø10 mm solid shaft (clamping flange)	ST 8192 / 13 bit	• SSI • Gray code

	ATD 2S B14 Y23	ø58 mm	ø10 mm solid shaft (clamping flange)	ST ≤16384 / 14 bit MT ≤16777216 / 24 bit	• SSI • Gray or binary code • Incremental outputs as option
	ATD 2S B14 Y24	ø58 mm	ø10 mm solid shaft	ST 4096 / 12 bit MT 4096 / 12 bit	• SSI + Resolver • Gray or binary code • Magnetic sensing
	ATD 4S A4 Y10	ø80 mm	ø20 mm (through hollow shaft) ø22 mm (through hollow shaft) ø25 mm (through hollow shaft) ø27 mm (through hollow shaft)	ST ≤32768 / 15 bit MT ≤16777216 / 24 bit	• SSI • Gray or binary code • Incremental outputs as option
	ATD2AH00	ø58 mm	ø10 mm (through hollow shaft) ø12 mm (through hollow shaft) ø14 mm (through hollow shaft)	ST 16384 / 14 bit	• Analog output • Singleturn • Flexible cable concept
	BFF CANopen®	ø58 mm	ø12 mm (blind hollow shaft)	ST ≤8192 / 13 bit	• Singleturn • CANopen®
	BFF parallel	ø58 mm	ø12 mm (blind hollow shaft)	ST ≤4096 / 12 bit	• Singleturn • Parallel
	BFF SSI	ø58 mm	ø12 mm (blind hollow shaft)	ST 4096 / 12 bit	• Singleturn • SSI
	BFG CANopen®	ø58 mm	ø12 mm (through hollow shaft)	ST ≤8192 / 13 bit	• Singleturn • CANopen®
	BFG parallel	ø58 mm	ø12 mm (through hollow shaft)	ST ≤4096 / 12 bit	• Singleturn • Parallel
	BMMS K23 CANopen® - MAGRES	-	-	0.1 mm/step	• Cable transducer max. 2.3 m • CANopen® • Redundant
	BMMS K23 SSI - MAGRES	-	-	0.0585 mm/step	• Cable transducer max. 2.3 m • SSI

	BMMS K34 CANopen® - MAGRES redundant	-	-	0.1 mm/step	• Cable transducer max. 3.4 m • CANopen® • Redundant
	BMMS K34 SSI - MAGRES	-	-	0.0589 mm/step	• Cable transducer max. 2.3 m • SSI
	BMMS K50 CANopen® - MAGRES redundant	-	-	0.1 mm/step	• Cable transducer max. 5 m • CANopen® • Redundant
	BMMS K50 SSI - MAGRES	-	-	0.0591 mm/step	• Cable transducer max. 5 m • SSI
	BFG SSI	ø58 mm	ø12 mm (through hollow shaft)	ST 4096 / 12 bit	• Singleturn • SSI
	GXN1H	ø75 mm	ø14 mm (through hollow shaft)	ST ≤4096 / 12 bit MT ≤4096 / 12 bit	• 1024 cams • 16 outputs
	GXN1W	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤4096 / 12 bit MT ≤4096 / 12 bit	• 1024 cams • 16 outputs
	GA210 - parallel	ø58 mm	ø10 mm solid shaft	ST 1024 / 10 bit	• Reset input
	GA211 - parallel	ø58 mm	ø6 mm solid shaft	ST 1024 / 10 bit	• Reset input
	GXP1H - parallel	ø75 mm	ø14 mm (through hollow shaft)	ST ≤4096 / 12 bit MT ≤4096 / 12 bit	• Programmable
	GXP1W - parallel	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST ≤4096 / 12 bit MT ≤4096 / 12 bit	• Programmable

	GXA1W - parallel	ø58 mm	ø10 mm solid shaft (clamping flange) ø6 mm solid shaft (synchro flange)	ST 2880	• Gray excess code
	BMMS K23 analog / cable-pull - MAGRES redundant	-	-	-	• Cable transducer max. 2.3 m • Analog • Redundant
	BMMS K50 analog / cable-pull - MAGRES redundant	-	-	-	• Cable transducer max. 5 m • Analog • Redundant
	BMMS M50 analog / cable-pull - MAGRES redundant	-	-	-	• Cable transducer max. 5 m • Analog • Redundant
	BMMS M75 CANopen® / cable-pull - MAGRES	-	-	0.1 mm/step	• Cable transducer max. 7.5 m • CANopen®
	BMMS M75 analog / cable-pull - MAGRES redundant	-	-	-	• Cable transducer max. 7.5 m • Analog • Redundant
	MQR 3000F - HDmag flex	-	ø300...3183 mm (through hollow shaft)	-	• "Quasi-absolut", i. e. providing a valid absolute position only after initialization • Integrated signal processing • SSI, resolution up to 20 bit • Magnetic sensing • Protection IP 67 • Incremental outputs as option
	MQR 350A - HDmag flex	-	ø90...300 mm (through hollow shaft)	-	• "Quasi-absolut", i. e. providing a valid absolute position only after initialization • Integrated signal processing • SSI, resolution up to 20 bit • Magnetic sensing • Protection IP 67 • Incremental outputs as option
	MHAD 50 - HDmag	-	ø30 mm (through hollow shaft)	-	• Resolution up to 16 bit • Protection IP 67 • SSI, CANopen® • Incremental outputs as option
	MHAP 100 - HDmag	ø101.3 mm	ø16...80 mm (through hollow shaft)	-	• Resolution up to 17 bit • Protection IP 67 • SSI • Additional incremental output
	MHAP 200 - HDmag	ø203.1 mm	ø50...180 mm (through hollow shaft)	-	• Resolution up to 17 bit • Protection IP 67 • SSI • Additional incremental output

	MHAP 400 - HDmag	ø406.8 mm	ø70...340 mm (through hollow shaft)	-	• Resolution up to 17 bit • Protection IP 67 • SSI • Additional incremental output
	BMMK 58 flexible - MAGRES	ø58 mm	ø12 mm (magnet bore)	ST ≤4096 / 12 bit MT ≤262144 / 18 bit	• Encoder kit multiturn • CANopen®, DeviceNet, Profibus • EtherCAT, EtherNet/IP • PROFINET, POWERLINK
	BMSK 58 flexible - MAGRES	ø58 mm	ø12 mm (magnet bore)	ST ≤4096 / 12 bit	• Encoder kit singleturn • CANopen®, DeviceNet, Profibus • EtherCAT, EtherNet/IP • PROFINET, POWERLINK