

Online Data Sheet

Encoder WDG 115M - Discontinued product

www.wachendorff-automation.com/wdg115m

Wachendorff Automation

- ... systems and encoders
- Complete systems
- Industrial rugged encoders to suit your application
- Standard range and customer versions
- Maximum permissible loads
- 48-hour express production
- Made in Germany
- Worldwide distributor network

Industrie ROBUST



Encoder WDG 115 M **Discontinued product**



Resolution



- Digital Tachogenerator" with robust tacho flange
- Up to 25000 PPR by use of high grad electronics
- High noise immunity against frequency inverters ٠
- Protection to IP67, shaft sealed to IP65
- 11 mm shaft

Output circuit

- Full connection protection with 10 VDC up to 30 VDC •
- With light reserve warning
- Optional: -40 °C up to +80 °C • Protection to IP67 all around

www.wachendorff-automation.com/wdg115m

Max. pulses per revolution PPR	up to 25000 PPR
Mechanical Data	
Housing	
Flange	- tacho flange
Flange material	aluminium
Housing cap	aluminium, powder coated
Housing	Ø 115 mm
Shaft(s)	
Shaft material	stainless steel
Starting torque	approx. 1 Ncm at ambient temperature
Shaft	Ø 11 mm
Shaft length	L: 33 mm
Max. Permissible shaft loading radial	200 N
Max. Permissible shaft loading axial	120 N
Bearings	
Bearings type	2 precision ball bearings
Nominale service life	1 x 10'9 revs. at 100 % rated shaft load 1 x 10'10 revs. at 40 % rated shaft load 1 x 10'11 revs. at 20 % rated shaft load
Max. operating speed	8000 rpm
Machinery Directive: basic	data safety integrity level
MTTF _d	200 a
Mission time (TM)	25 a
Nominale service life (L10h)	1 x 10'11 revs. at 20 % rated shaft load and 8000 rpm

	HTL, inv. 1 Vpp sin/cos
Pulse frequency	TTL 5000 ppr: max. 200 kHz HTL 5000 ppr: max. 200 kHz TTL more than 1200 ppr: max. 2 MHz HTL more than 1200 ppr: max. 600 kHz 1 Vpp sin/cos: max. 100 kHz
Channels	AB ABN and inverted signals
Load	max. 40 mA / channel @ 1 Vpp sin/cos: min. 120 Ohm
Circuit protection	circuit type F24, G24, H24, I24, P24, R24 only
Accuracy	
	-
Phase offset	90° ± max. 7.5 % of the pulse length
Phase offset pulse-/pause-ratio	90° ± max. 7.5 % of the pulse length 5000 ppr: 50 % ± max. 7 % >5000 ppr: 50 % ± max. 10 %
	5000 ppr: 50 % ± max. 7 %
	5000 ppr: 50 % ± max. 7 %
pulse-/pause-ratio	5000 ppr: 50 % ± max. 7 %
pulse-/pause-ratio General Data	5000 ppr: 50 % ± max. 7 % >5000 ppr: 50 % ± max. 10 %
pulse-/pause-ratio General Data Weight	5000 ppr: 50 % ± max. 7 % >5000 ppr: 50 % ± max. 10 %
pulse-/pause-ratio General Data Weight Connections	5000 ppr: 50 % ± max. 7 % >5000 ppr: 50 % ± max. 10 % approx. 520 g cable or connector outlet IP67, shaft sealed to IP65 (IP65 all
pulse-/pause-ratio General Data Weight Connections Protection rating (EN 60529)	5000 ppr: 50 % ± max. 7 % >5000 ppr: 50 % ± max. 10 % approx. 520 g cable or connector outlet IP67, shaft sealed to IP65 (IP65 all around with S7) -20 °C up to +80 °C

HTĽ

TTL TTL, RS422 compatible, inv.

More Information

General technical data http://www.wachendorff-automation.com/gtd Options http://www.wachendorff-automation.com/acc

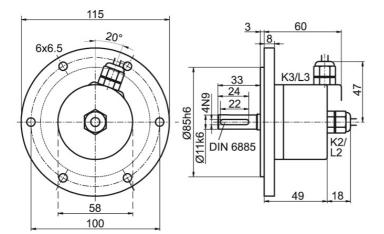
Electrical Data	
Power supply/Current consumption	4,75 VDC up to 5,5 VDC: max. 100 mA
Power supply/Current consumption	5 VDC up to 30 VDC: max. 70 mA
Power supply/Current consumption	10 VDC up to 30 VDC: max. 100 mA

0 %

Nominale service life (L10h) Diagnostic coverage (DC)



Cable connection K2, K3, L2, L3 with 2 m cable



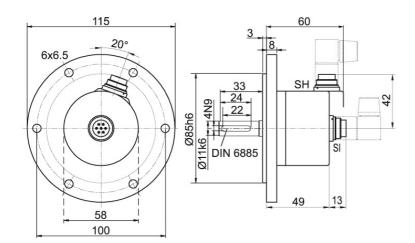
Description

Desc	cription	ABN inv. poss.
K2	axial, shield not connected	•
К3	radial, shield not connected	•
L2	axial, shield connected to encoder housing	•
L3	radial, shield connected to encoder housing	•

Assignments					
	K2, K3, L2, L3	K2, L2, K3, L3	K2, L2, K3, L3	K2, L2, K3, L3	K2, L2, K3, L3
Circuit	G05, G24	F05, H05, F24, H24, H30	105, 124, 524	P05, R05, P24, R24, 245, 645, R30	SIN
GND	WH	WH	WH	WH	WH
(+) Vcc	BN	BN	BN	BN	BN
Α	GN	GN	GN	GN	GN
В	YE	YE	YE	YE	GY
Ν	GY	GY	GY	GY	-
Light reserve warning	PK	-	PK	-	-
A inv.	-	-	RD	RD	YE
B inv.	-	-	BK, (BU at ACA)	BK, (BU at ACA)	PK
N inv.	-	-	VT	VT	-
Shield	flex	flex	flex	flex	flex



Connector (M16x0.75) SI, SH, 5-, 6-, 8-, 12-pin



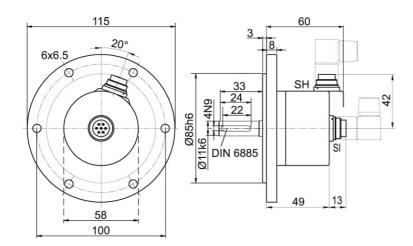
Description

SI5	axial, 5-pin, Connector connected to encoder housing	-
SH5	radial, 5-pin, Connector connected to encoder housing	-
SI6	axial, 6-pin, Connector connected to encoder housing	-
SH6	radial, 6-pin, Connector connected to encoder housing	-
SI8	axial, 8-pin, Connector connected to encoder housing	•
SH8	radial, 8-pin, Connector connected to encoder housing	•
SH8 SI12	radial, 8-pin, Connector connected to encoder housing axial, 12-pin, Connector connected to encoder housing	•
	axial, 12-pin, Connector connected to encoder housing	•

Assignments											
	SI5, SH5	SI6, SH6	SI6, SH6	SI8, SH8	SI8, SH8	SI8, SH8	SI12, SH12	SI12, SH12	SI12, SH12	SI12, SH12	SI12, SH12
	5-pin	6-pin	6-pin	8-pin	8-pin	8-pin	12-pin	12-pin	12-pin	12-pin	12-pin
								L C L C L C L C L C L C L C L C L C L C	D C L B C L B C L B C L B C L B C C M H J J C C M H J C C M H J C C C C C C C C C C C C C C C C C C		C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B C L B
Circuit	F05, H05, F24, H24, H30	G05, G24		F05, H05, F24, H24, H30	P05, R05, P24, R24, R30, 245, 645	SIN	G05, G24	F05, H05, F24, H24, H30	105, 124, 524	P05, R05, P24, R24, 245, 645, R30	SIN
GND	1	6	6	1	1	1	K, L	K, L	K, L	K, L	K, L
(+) Vcc	2	1	1	2	2	2	М, В	М, В	М, В	M, B	М, В
Α	3	2	2	3	3	3	E	Е	Е	E	Е
В	4	4	4	4	4	4	Н	Н	Н	Н	Н
Ν	5	3	3	5	5	-	С	С	С	С	-
Light reserve warning	-	5	-	-	-	-	G	-	G	-	-
A inv.	-	-	-	-	6	6	-	-	F	F	F
B inv.	-	-	-	-	7	7	-	-	А	А	А
N inv.	-	-	-	-	8	-	-	-	D	D	-
n. c.	-	-	5	6, 7, 8	-	5, 8	A, D, F, J	A, D, F, G, J	J	G, J	D, G, J
Shield	-	-	-	-	-	-	-	-	-	-	-



Connector (M16x0.75) S2, S3, 7-pin



Description

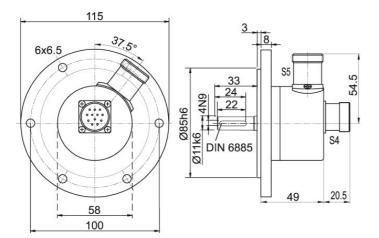
S2	axial, 7-pin, Connector connected to encoder housing	-
S 3	radial, 7-pin, Connector connected to encoder housing	-

Assignments		
	S2, S3	S2, S3
	7-pin	7-pin
Circuit	G05, G24	F05, H05, F24, H24, H30
GND	1	1
(+) Vcc	2	2
Α	3	3
В	4	4
Ν	5	5
Light reserve warning	6	-
A inv.	-	-
B inv.	-	-
N inv.	-	-
n. c.	7	6, 7
Shield	-	-



ABN inv. poss. •

Connector (M23) S4, S5, 12-pin



Description

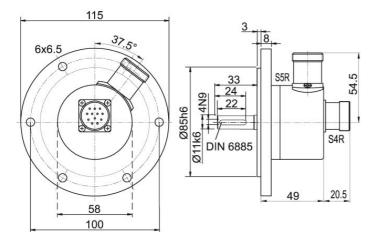
	S4	axial, 12-pin,	Connector	connected to	encoder	housing
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S5	radial	12 nin	Connector	connected to	ancodor hour	nina
30	raulai,	12-pin,	Connector	connected to	encoder nous	sing

Assignments					
	S4, S5	S4, S5	S4, S5	S4, S5	S4, S5
	12-pin	12-pin	12-pin	12-pin	12-pin
	$ \begin{array}{c} 1 \bullet & 9 \\ 1 \bullet & 12 \bullet 8 \\ 2 \bullet & 11 \bullet & 6 \\ 4 \bullet & 55 \end{array} $	$ \begin{array}{c} 1 & 9 \\ 10 & 12 & 6 \\ 2 & 11 & 7 \\ 3 & 6 \\ 4 & 5 \end{array} $	$ \begin{array}{c} 1 & 9 \\ 10 & 12 & 8 \\ 2 & 10 & 12 & 7 \\ 3 & 6 \\ 4 & 5 \\ \end{array} $	$ \begin{array}{c} 1 & 9 \\ 1 & 10 \\ 2 & 11 \\ 3 & 6 \\ 4 & 5 \end{array} $	$ \begin{pmatrix} 1 & 9 & \\ 10 & 12 & 6 \\ 2 & 11 & 6 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & 5 \\ 4 & $
Circuit	G05, G24	F05, H05, F24, H24, H30	105, 124, 524	P05, R05, P24, R24, 245, 645, R30	SIN
GND	10	10	10	10	10
(+) Vcc	12	12	12	12	12
Α	5	5	5	5	5
В	8	8	8	8	8
Ν	3	3	3	3	-
Light reserve warning	11	-	11	-	-
A inv.	-	-	6	6	6
B inv.	-	-	1	1	1
N inv.	-	-	4	4	-
n. c.	1, 2, 4, 6, 7, 9	1, 2, 4, 6, 7, 9, 11	2, 7, 9	2, 7, 9, 11	2, 3, 4, 7, 9, 11
Shield	-	-	-	-	-



Connector (M23) S4R, S5R, 12-pin (clockwise)



Description

ABN	inv.	poss.
	•	

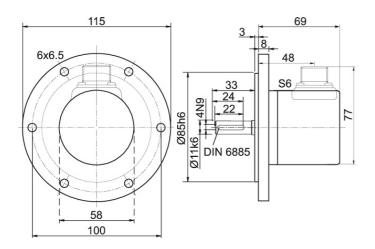
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S4R	axial, 12-pin, Connector connected to encoder housing
S5R	radial, 12-pin, Connector connected to encoder housing

Assignments					
	S4R, S5R	S4R, S5R	S4R, S5R	S4R, S5R	S4R, S5R
	12-pin	12-pin	12-pin	12-pin	12-pin
	8 9 0 1 7 12 10 2 10 2 10 2 10 2 10 3 5 4 R	8 9 12 10 1 7 11 0 6 3 5 4 R	8 9 12 10 1 7 11 0 2 6 3 5 4 R	8 9 12 10 11 0 6 3 5 4 R	8 9 12 10 1 7 11 0 6 3 5 4 R
Circuit	G05, G24	F05, H05, F24, H24, H30	105, 124, 524	P05, R05, P24, R24, 245, 645, R30	SIN
GND	10	10	10	10	10
(+) Vcc	12	12	12	12	12
Α	5	5	5	5	5
В	8	8	8	8	8
Ν	3	3	3	3	-
Light reserve warning	11	-	11	-	-
A inv.	-	-	6	6	6
B inv.	-	-	1	1	1
N inv.	-	-	4	4	-
n. c.	1, 2, 4, 6, 7, 9	1, 2, 4, 6, 7, 9, 11	2, 7, 9	2, 7, 9, 11	2, 3, 4, 7, 9, 11
Shield	-	-	-	-	-



MIL-connector S6, 6-pin

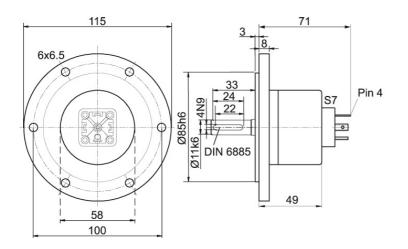


Description

Assignments		
	6-pin	6-pin
Circuit	G05, G24	F05, H05, F24, H24, H30
GND	A	А
(+) Vcc	F	F
Α	C	С
В	В	В
Ν	D	D
Light reserve warning	E	-
A inv.	-	-
B inv.	-	-
N inv.	-	-
n. c.	-	E
Shield	-	-



Valve-connector (IP65) S7, 4-pin

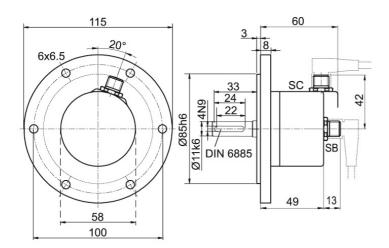


Description

Assignments 4-pin 540 F05, H05, F24, H24, H30 Circuit GND 1 (+) Vcc 2 Α 3 в 4 Ν -Light reserve warning -A inv. -B inv. -N inv. -n. c. Shield -



Sensor-connector(M12x1) SB, SC, 4-, 5-, 8-, 12-pin



Description

SB4	axial, 4-pin, Connector connected to encoder housing	-
SC4	radial, 4-pin, Connector connected to encoder housing	-
SB5	axial, 5-pin, Connector connected to encoder housing	-
SC5	radial, 5-pin, Connector connected to encoder housing	-
SB8	axial, 8-pin, Connector connected to encoder housing	•
SC8	radial, 8-pin, Connector connected to encoder housing	•
SB12	axial, 12-pin, Connector connected to encoder housing	•
SC12	radial, 12-pin, Connector connected to encoder housing	•

Assignments									
	SB4, SC4	SB5, SC5	SB8, SC8	SB8, SC8	SB8, SC8	SB12, SC12	SB12, SC12	SB12, SC12	SB12, SC12
	4-pin	5-pin	8-pin	8-pin	8-pin	12-pin	12-pin	12-pin	12-pin
						5 6 7 12 8 9	5 6 7 12 8 9	5 6 7 12 8 9	5 6 7 12 8 9
Circuit	F05, H05, F24, H24, H30	F05, H05, F24, H24, H30	F05, H05, F24, H24, H30	P05, R05, P24, R24, R30, 245, 645	SIN	G05, G24	F05, H05, F24, H24, H30	105, 124, 524	P05, R05, P24, R24, 245, 645, R30
GND	3	3	1	1	1	3	3	3	3
(+) Vcc	1	1	2	2	2	1	1	1	1
Α	2	4	3	3	3	4	4	4	4
В	4	2	4	4	5	6	6	6	6
Ν	-	5	5	5	-	8	8	8	8
Light reserve warning	-	-	-	-	-	5	-	5	-
A inv.	-	-	-	6	4	-	-	9	9
B inv.	-	-	-	7	6	-	-	7	7
N inv.	-	-	-	8	-	-	-	10	10
n. c.	-	-	6, 7, 8	-	7, 8	2, 7, 9, 10, 11, 12	2, 5, 7, 9, 10, 11, 12	2, 11, 12	2, 5, 11, 12
Shield	-	-	-	-	-	-	-	-	-



Low temperature	Order key
The encoder WDG 115M - Discontinued product with the output circuit types F24, G24, H24, I24, P24, R24, F05, G05, H05, I05, P05, R05, 245, 524, 645 is also available with the extended temperature range -40 °C up to +80 °C (measured at the flange).	ACA
Cable length	Order key
The encoder WDG 115M - Discontinued product can be supplied with more than 2 m cable. The maximum cable length depends on the supply voltage and the frequency; see www. wachendorff-automation.com/atd Please extend the standard order code with a three figure number, specifying the cable length in decimetres. Example: 5 m cable = 050	XXX = Decimeter
IP67 Shafts sealed to IP67 (not for 1 Vss Sin/Cos)	Order key
The encoder WDG 115M - Discontinued product can be supplied in a full IP67 version.	AAO
Max. RPM: 3200 rpm Permitted Shaft-Loading, axial: 100 N Permitted Shaft-Loading, radial: 120 N Max. PPR: 2500 ppr Starting-torque: approx. 5 Ncm at ambient temperature	

Options



xample Order No.	Туре					Your encode	
WDG 115M	WDG 115M					WDG 115M	
	Pulses per revolution PPR:						
5000	2, 5, 10, 15, 20, 24, 25, 30, 36, 40, 48, 50, 60, 64, 72, 87, 90, 100, 120, 125, 127, 128, 150, 160, 180, 200, 216, 236, 240, 250, 254, 256, 300, 314, 320, 360, 400, 500, 512, 571, 600, 625, 720, 750, 768, 800, 810, 900, 1000, 1024, 1200, 1250, 1270, 1440, 1500, 1800, 2000, 2048, 2400, 2500, 3000, 3600, 4000, 4096, 4685, 5000, 10000, 12500, 20000, 25000 1 Vss Sin/Cos only 1024, 2048 Other PPRs on request						
	Channels:						
ABN	AB, ABN (S	INI: AB)					
	טאיטא, איזע (ט					1	
	Output circ	uit					
	-	Power supply VDC	Output circuit	Light reserve warning	Order key		
	up to 2500	5 - 30	HTL	-	H30]	
		5 - 30	HTL inverted	-	R30		
		4.75 - 5.5	TTL	•	G05		
		4.75 - 5.5	TTL	-	H05		
		4.75 - 5.5	TTL, RS422 comp., inverted	•	105		
		4.75 - 5.5	TTL, RS422 comp., inverted	-	R05		
		10 - 30	HTL	•	G24		
	up to 5000	10 - 30	HTL	-	H24		
G24		10 - 30	HTL inverted	•	124		
		10 - 30	HTL inverted	-	R24		
		10 - 30	TTL, RS422 comp., inverted	•	524		
		10 - 30	TTL, RS422 comp., inverted	-	245		
		4.75 - 5.5	TTL	-	F05		
	(higher	4.75 - 5.5	TTL, RS422 comp., inverted	-	P05		
	frequency)	10 - 30	HTL	-	F24		
	1200 up to 25000	10 - 30	HTL inverted	-	P24		
		10 - 30	TTL, RS422 comp., inverted	-	645		
	1024, 2048	4.75 - 5.5	1 Vpp sin/cos	-	SIN		



Description AE Cable: length (2 m standard, WDG 58T: 1 m) axial, shield not connected axial, shield not connected axial, shield connected to encoder housing radial, shield not connected radial, shield not connected	BN inv. poss. • •	Order key K2	-	
axial, shield not connected axial, shield connected to encoder housing radial, shield not connected		K2	1	
axial, shield connected to encoder housing radial, shield not connected		K2	-	
radial, shield not connected	•		_	
		L2		
radial, shield connected to encoder housing	•	K3		
	•	L3		
Connector: (shield connected to encoder housing)		I		
connector, M16x0.75, 5-pin, axial	-	SI5		
connector, M16x0.75, 5-pin, radial	-	SH5		
connector, M16x0.75, 6-pin, axial	-	SI6		
connector, M16x0.75, 6-pin, radial	-	SH6		
connector, M16x0.75, 8-pin, axial	•	SI8		
connector, M16x0.75, 8-pin, radial	•	SH8		
connector, M16x0.75, 12-pin, axial	•	SI12		
connector, M16x0.75, 12-pin, radial	•	SH12		
connector, M16x0.75, 7-pin, axial	-	S2		
connector, M16x0.75, 7-pin, radial	-	S3		
connector, M23, 12-pin, axial	•	S4		
connector, clockwise pin count, M23, 12-pin, axial	•	S4R		
connector, M23, 12-pin, radial	•	S5		
connector, clockwise pin count, M23, 12-pin, radial	•	S5R		
sensor-connector, M12x1, 4-pin, axial	-	SB4		
sensor-connector, M12x1, 4-pin, radial	-	SC4		
sensor-connector, M12x1, 5-pin, axial	-	SB5		
sensor-connector, M12x1, 5-pin, radial	-	SC5		
sensor-connector, M12x1, 8-pin, axial	•	SB8		
sensor-connector, M12x1, 8-pin, radial	•	SC8		
sensor-connector, M12x1, 12-pin, axial	•	SB12		
sensor-connector, M12x1, 12-pin, radial	•	SC12	1	
			!	
Options				
Description	rder key			
Without option	Err	npty		
Low temperature	A	CA		
IP67	P67 AAO			
Cable length	XXX = D	Decimeter		
Order No.= WDG 115M 5000 ABN G24 K2 WDG 115M			Y	





For further information please contact our local distributor. Here you find a list of our distributors worldwide. http://www.wachendorff-automation.com/distributors_worldwide.html



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