

ENCODERS

THE STANDARD FOR YOUR APPLICATION

TURCK

Industrial
Automation

Incremental – push-pull with inversion

Solid shaft

Compact Ø 37 mm Shaft Ø 6 mm without flange	Cable connection $U_B = 5 \dots 30$ VDC	360 Imp. 500 Imp. 512 Imp. 1000 Imp. 1024 Imp.	Ri-08S6S-2F360-C 1M Ri-08S6S-2F500-C 1M Ri-08S6S-2F512-C 1M Ri-08S6S-2F1000-C 1M Ri-08S6S-2F1024-C 1M
Standard Ø 58 mm Shaft Ø 6 mm Clamping flange	M12 male $U_B = 10 \dots 30$ VDC	360 Imp. 2048 Imp. 2500 Imp. 4096 Imp. 5000 Imp.	Ri-10S6C-2B360-H1181 Ri-10S6C-2B2048-H1181 Ri-10S6C-2B2500-H1181 Ri-10S6C-2B4096-H1181 Ri-10S6C-2B5000-H1181
Standard Ø 58 mm Shaft Ø 10 mm Clamping flange		360 Imp. 2048 Imp. 2500 Imp. 4096 Imp. 5000 Imp.	Ri-10S10C-2B360-H1181 Ri-10S10C-2B2048-H1181 Ri-10S10C-2B2500-H1181 Ri-10S10C-2B4096-H1181 Ri-10S10C-2B5000-H1181
Standard Ø 58 mm Shaft Ø 6 mm Synchro flange		360 Imp. 2048 Imp. 2500 Imp. 4096 Imp. 5000 Imp.	Ri-10S6S-2B360-H1181 Ri-10S6S-2B2048-H1181 Ri-10S6S-2B2500-H1181 Ri-10S6S-2B4096-H1181 Ri-10S6S-2B5000-H1181
Standard Ø 58 mm Shaft Ø 10 mm Synchro flange		360 Imp. 2048 Imp. 2500 Imp. 4096 Imp. 5000 Imp.	Ri-10S10S-2B360-H1181 Ri-10S10S-2B2048-H1181 Ri-10S10S-2B2500-H1181 Ri-10S10S-2B4096-H1181 Ri-10S10S-2B5000-H1181

Hollow shaft

Compact Ø 37 mm Shaft Ø 8 mm Stator coupling	Cable connection $U_B = 5 \dots 30$ VDC	360 Imp.	Ri-09H8E-2F360-C 1M
Standard Ø 58 mm Shaft Ø 10 mm Torque stop	M12 male $U_B = 10 \dots 30$ VDC	360 Imp. 2048 Imp. 2500 Imp. 4096 Imp. 5000 Imp.	Ri-12H10T-2B360-H1181 Ri-12H10T-2B2048-H1181 Ri-12H10T-2B2500-H1181 Ri-12H10T-2B4096-H1181 Ri-12H10T-2B5000-H1181
Standard Ø 58 mm Shaft Ø 15 mm Torque stop		360 Imp. 2048 Imp. 2500 Imp. 4096 Imp. 5000 Imp.	Ri-12H15T-2B360-H1181 Ri-12H15T-2B2048-H1181 Ri-12H15T-2B2500-H1181 Ri-12H15T-2B4096-H1181 Ri-12H15T-2B5000-H1181

Large hollow shaft

Large hollow shaft Ø 100 mm Shaft Ø 25 mm Spring element, long	M23 male $U_B = 10 \dots 30$ VDC	1024 Imp. 2048 Imp. 5000 Imp.	Ri-42H25S4-2B1024-12M23 Ri-42H25S4-2B2048-12M23 Ri-42H25S4-2B5000-12M23
Large hollow shaft Ø 100 mm Shaft Ø 30 mm Spring element, long		1024 Imp. 2048 Imp. 5000 Imp.	Ri-42H30S4-2B1024-12M23 Ri-42H30S4-2B2048-12M23 Ri-42H30S4-2B5000-12M23

Multiturn absolute

Solid shaft

Compact Ø 36 mm Shaft Ø 8 mm Synchro flange	Cable connection $U_B = 10 \dots 30$ VDC	SSI, Gray 12/12 bit	RM-46S8S-3C24B-CT 1M
Standard Ø 58 mm Shaft Ø 6 mm Clamping flange	M12 male $U_B = 10 \dots 30$ VDC	SSI, Gray 13/12 bit PROFIBUS, 16/12 bit	RM-28S6C-3C25B-H1181 RM-29S6C-9A28B-R3M12
Standard Ø 58 mm Shaft Ø 10 mm Clamping flange		SSI, Gray 13/12 bit PROFIBUS, 16/12 bit	RM-28S10C-3C25B-H1181 RM-29S10C-9A28B-R3M12
Standard Ø 58 mm Shaft Ø 6 mm Synchro flange		SSI, Gray 13/12 bit PROFIBUS, 16/12 bit	RM-28S6S-3C25B-H1181 RM-29S6S-9A28B-R3M12
Standard Ø 58 mm Shaft Ø 10 mm Synchro flange		SSI, Gray 13/12 bit PROFIBUS, 16/12 bit	RM-28S10S-3C25B-H1181 RM-29S10S-9A28B-R3M12

Hollow shaft

Compact Ø 36 mm Shaft Ø 10 mm Stator coupling	Cable connection $U_B = 10 \dots 30$ VDC	SSI, Gray 12/12 bit	RM-50H10E-3C24B-CT 1M
Standard Ø 58 mm Shaft Ø 12 mm Stator coupling	M12 male $U_B = 10 \dots 30$ VDC	SSI, Gray 13/12 bit PROFIBUS, 16/12 bit	RM-35H12E-3C25B-H1181 RM-36B12E-9A28B-R3M12

Singleturn absolute

Solid shaft

Compact Ø 36 mm Shaft Ø 6 mm Synchro flange	Cable connection $U_B = 15 \dots 30$ VDC	Analog, U 0...10 V, 12 bit	RS-06S6S-8B12B-C 1M
	Cable connection $U_B = 10 \dots 30$ VDC	Analog, I 4...20 mA, 12 bit	RS-06S6S-7A12B-C 1M
	Cable connection $U_B = 5 \dots 30$ VDC	SSI, Binary 9 bit	RS-54S6S-5B9B-C 1M
Compact Ø 58 mm Shaft Ø 6 mm Clamping flange	M12 male $U_B = 10 \dots 30$ VDC	SSI, Gray 13 bit PROFIBUS, 16 bit	RS-24S6C-3C13B-H1181 RS-25S6C-9A16B-R3M12
Compact Ø 58 mm Shaft Ø 10 mm Clamping flange		SSI, Gray 13 bit PROFIBUS, 16 bit	RS-24S10C-3C13B-H1181 RS-25S10C-9A16B-R3M12
Compact Ø 6 mm Shaft Ø 10 mm Synchro flange		SSI, Gray 13 bit PROFIBUS, 16 bit	RS-24S6S-3C13B-H1181 RS-25S6S-9A16B-R3M12
Compact Ø 58 mm Shaft Ø 10 mm Synchro flange		SSI, Gray 13 bit PROFIBUS, 16 bit	RS-24S10S-3C13B-H1181 RS-25S10S-9A16B-R3M12

Hollow shaft

Compact Ø 36 mm Shaft Ø 6 mm Stator coupling	Cable connection $U_B = 15 \dots 30$ VDC	Analog, U 0...10 V, 12 bit	RS-07H6E-8B12B-C 1M
	Cable connection $U_B = 10 \dots 30$ VDC	Analog, I 4...20 mA, 12 bit	RS-07H6E-7A12B-C1M
	Cable connection $U_B = 5 \dots 30$ VDC	SSI, Binary 9 bit	RS-55H6E-5B9B-C 1M
Compact Ø 58 mm Shaft Ø 12 mm Stator coupling	M12 male $U_B = 10 \dots 30$ VDC	SSI, Gray 13 bit PROFIBUS, 16 bit	RS-31H12E-3C13B-H1181 RS-33B12E-9A16B-R3M12

Draw-wire sensors

Analog current output
4...20 mA
2-wire
 $U_B = 12 \dots 30$ VDC
M12 male

Potentiometer output
1 k Ω
 U_B max. 30 VDC
M12 male

Measuring range

250 mm	DW250-70-7E-H1141
500 mm	DW500-70-7E-H1141
1000 mm	DW1000-110-7E-H1141
2000 mm	DW2000-110-7E-H1141
3000 mm	DW3000-110-7E-H1141
6000 mm	DW6000-155-7E-H1141
10000 mm	DW10000-135-7E-H1141
15000 mm	DW15000-135-7E-H1141
20000 mm	DW20000-135-7E-H1141
30000 mm	DW30000-135-7E-H1141
40000 mm	DW40000-135-7E-H1141
250 mm	DW250-70-PA-H1141
500 mm	DW500-70-PA-H1141
1000 mm	DW1000-110-PA-H1141
2000 mm	DW2000-110-PA-H1141
3000 mm	DW3000-110-PA-H1141
6000 mm	DW6000-155-PA-H1141
10000 mm	DW10000-135-PA-H1141
15000 mm	DW15000-135-PA-H1141
20000 mm	DW20000-135-PA-H1141
30000 mm	DW30000-135-PA-H1141
40000 mm	DW40000-135-PA-H1141

Short delivery terms

We deliver up to 5 encoders within 10 days from the standard product portfolio listed here, provided they are available on stock.

www.turck.com



To get all product information, just scan the QR code with a smart-phone or webcam.

Hans Turck GmbH & Co. KG
Witzlebenstraße 7
45472 Mülheim an der Ruhr
Germany
Tel. +49 208 4952-0
Fax +49 208 4952-264
E-Mail more@turck.com
Internet www.turck.com

D101926 2013/01

