



PGT-13-S

ANALYZE, PROGRAM, TEST – PROGRAMMING TOOL FOR MOTOR FEEDBACK SYSTEMS WITH HIPERFACE DSL®

Tools, Trainings and Software

ANALYZE, PROGRAM, TEST – PROGRAMMING TOOL FOR MOTOR FEEDBACK SYSTEMS WITH HIPERFACE DSL®



Product description

The PGT-13-S is a programming tool for all motor feedback systems with the HIPERFACE DSL® interface. Via its intuitive user interface, the device has access to all sensor values, the electronic type label, the service life histogram as well as the error memory of a motor feedback system. With the help of the REST API interface, furthermore you can use the PGT-13-S to program your own customized user interface that is tailored

specifically to your requirements, and then integrate the tool into your production environment.

At a glance

- Provides access to the information and functions of all HIPERFACE DSL® sensors
- Web server with an intuitive user interface and all relevant documentation, for example a REST API description
- REST API for fast integration into customer systems

Your benefits

- Create your own user interface using the REST API interface. This avoids operator errors
- Program your own macros for test routines to optimize test times and production processes
- No additional software is required because an intuitive user interface is already provided on the web server of the device
- Simple and fast means of checking the functions of motor feedback systems with HIPERFACE DSL®



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→ www.sick.com/1113462

For more information, simply enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples, and much more.

Fields of application

- Final test during motor production
- Motor repairs
- Drive manufacturers

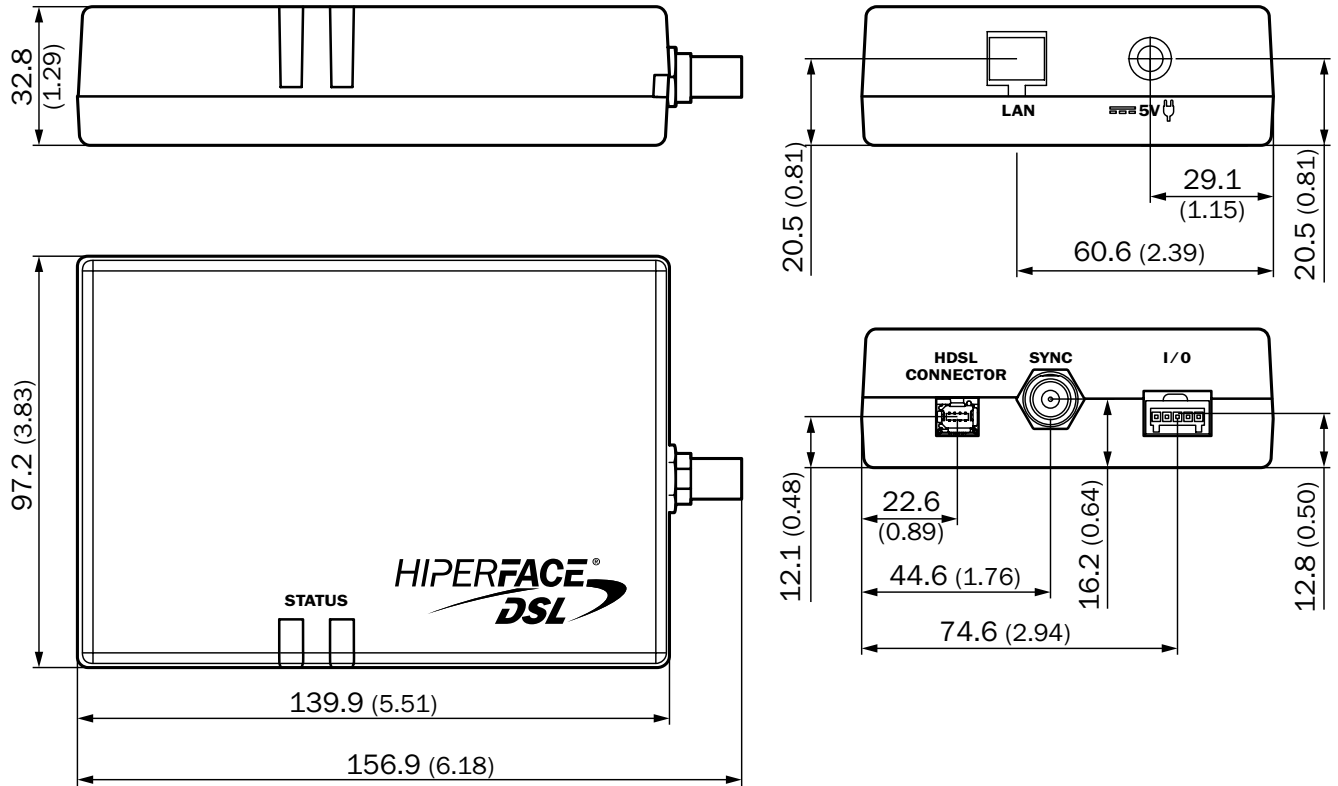
Detailed technical data

Description	Programming tool for motor feedback systems with the HIPERFACE DSL® communication interface	
Suitable for	EDS/EDM35, EES/EEM37, EKS/EKM36, EFS/EFM50, ETL70, sHub®	
Items supplied	1x programming tool PGT-13-S, 1x power supply unit 100-240-V AC~/~5 V DC, primary adapter (Europe), Ethernet cable 3-m, connecting cable for motor feedback system	
Dimensions (W x H x L)	97.2 mm x 32.8 mm x 139.4 mm	
Supply voltage	4.9 V ... 5.1 V, typ. 5 V	
Operating current	≤ 700 mA (without load)	
Operating temperature range	0 °C ... +50 °C	
Storage temperature range	0 °C ... +50 °C	
Enclosure rating	IP20	
SYNC		
	„0“ level	≤ 0.7 V
	„1“ level	≥ 3.5 V
	Max. input voltage	≤ 4.5 V
	Impedance	50 Ω
Input		
	„0“ level	≤ 0.7 V
	„1“ level	≥ 3.5 V
	Max. input voltage	≤ 5.3 V
	Impedance	50 Ω
Output		
	„0“ level	≤ 0.7 V
	„1“ level	≥ 3.5 V
	Max. input voltage	≤ 5.3 V
	Impedance	50 Ω

Ordering information

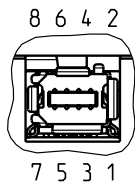
Type	Part no.
PGT-13-S	1113462
PGT-13-S Emulator Mode	1129100

Dimensional drawing (Dimensions in mm (inch))



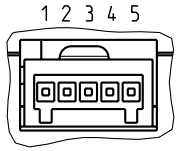
PIN assignment

HIPERFACE DSL® IN/OUT



PIN	Signal	Description
1	n.c.	Not connected
2	U _v /DSL+	12 V supply / HIPERFACE DSL® data to slave
3	GND/DSL-	Ground / HIPERFACE DSL® data to slave
4	n.c.	Not connected
5	n.c.	Not connected
6	DSL+	HIPERFACE DSL® data to master
7	DSL-	HIPERFACE DSL® data to master
8	n.c.	Not connected

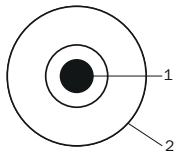
PORT I/O



PIN	Signal	Description
1	Input	Event input
2	Input	Event input
3	Output	Event output
4	Output	Event output
5	GND	Ground

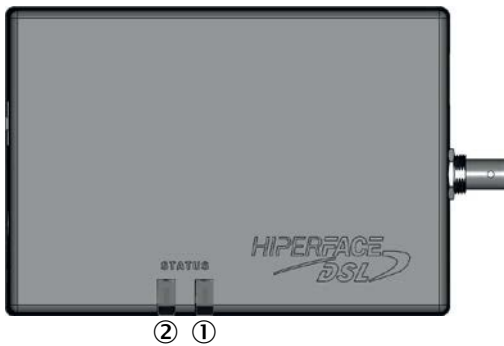
Recommended mating connector: WAGO 733-105

SYNC Eingang



PIN	Signal	Description
1	SYNC	External synchronization signal
2	GND	Ground to external synchronization signal

Instruction for installation Display LED



LED	Description
1	Green: Device is ready for operation Red: General error - restart required
2	Blue: Connection to the encoder exists Purple: Connection to the encoder exists, but is faulty Red: No connection to the encoder ¹⁾

¹⁾ If emulator operation then only related to master mode - lights red

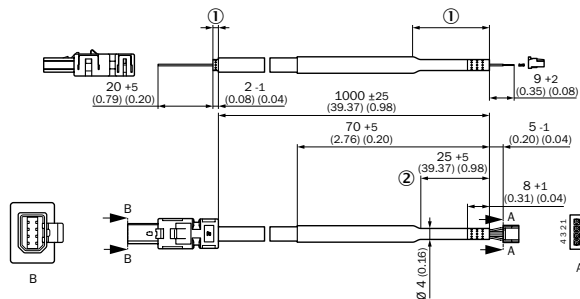
Accessories

Brief description	Type	Part no.
Head A: Male connector, JST, 4-pin, straight Head B: Male connector, Mini Industrial I/O, 8-pin, straight Cable: HIPERFACE DSL®, shielded, 1 m	YFJSA4-010EG1MMIA8	2117790
Head A: Male connector, M12, 4-pin, straight Head B: Male connector, Mini Industrial I/O, 8-pin, straight Cable: HIPERFACE DSL®, shielded, 1 m	YF2A24-020UB4MMIA8	2124673
Head A: Flying leads, 4-wire Head B: Male connector, Mini Industrial I/O, 8-pin, straight Cable: HIPERFACE DSL®, shielded, 1 m	YMMIA8-010EG1XLEAX	2124124
DIN rail clip for PGT-13-S, clamping and alignment brackets for DIN rail	HBEF-HPS-PGT-13-S	2123739
Power supply adapter for Australia and China	ADAPTORPLUG-CFE-I	6079515
Power supply adapter for USA and Japan	ADAPTORPLUG-CFE-A	6079517
Power supply adapter for Bahrain, Bangladesh, Belize, Bhutan, Botswana, Brunei, China, Dominica, El Salvador, Falkland Islands, Gambia, Ghana, Gibraltar, Grenada, Grenadines, Great Britain, Guatemala, Guyana, Hong Kong, Indonesia, Iraq, Ireland, Isle of Man, Yemen, Jordan, Cambodia, Channel Islands, Qatar, Kenya, Kuwait, Lebanon, Macau, Malawi, Malaysia, Maldives, Malta, Mauritius, Myanmar, Nigeria, Oman, Zambia, Saudi Arabia, Seychelles, Sierra Leone, Zimbabwe, Singapore, St. Kitts and Nevis, St. Lucia, St. Vincent, Tanzania, Uganda, United Arab Emirates, Vietnam, Cyprus	ADAPTORPLUG-CFE-G	6079518

Dimensional drawings → page 6

Dimensional drawings for accessories (Dimensions in mm (inch))

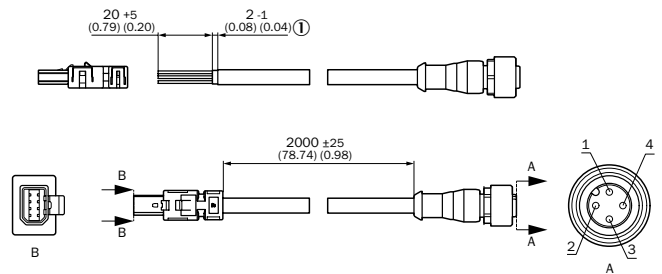
YFJSA4-010EG1MMIA8



- ① Stripped
- ② Shrunk area

PIN	PIN	Color
Male connector JST	Male connector Mini Industrial I/O	
1	1	red
2	2	gray
3	3	green
4	4	blue

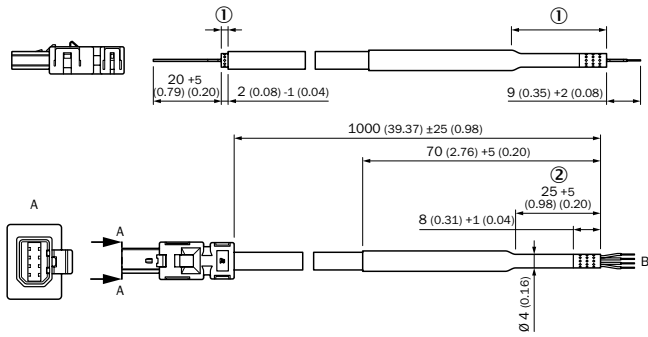
YF2A24-020UB4MMIA8



- ① Stripped

PIN	PIN	Color
Male connector M12	Male connector Mini Industrial I/O	
1	2	red
2	3	gray
3	6	green
4	7	blue

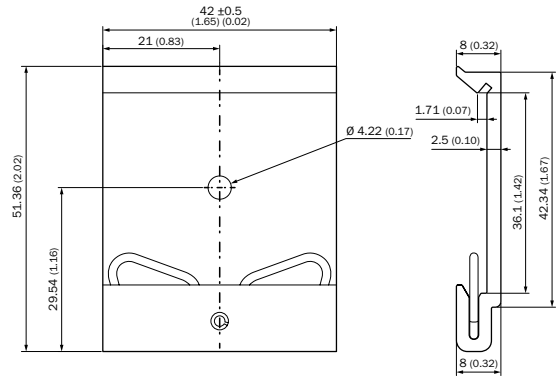
YMMIA8-010EG1XLEAX



- ① Stripped
- ② Shrunk area

PIN	Color
Male connector Mini Industrial I/O	
5	red
6	gray
7	green
8	blue

HBEF-HPS-PGT-13-S



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