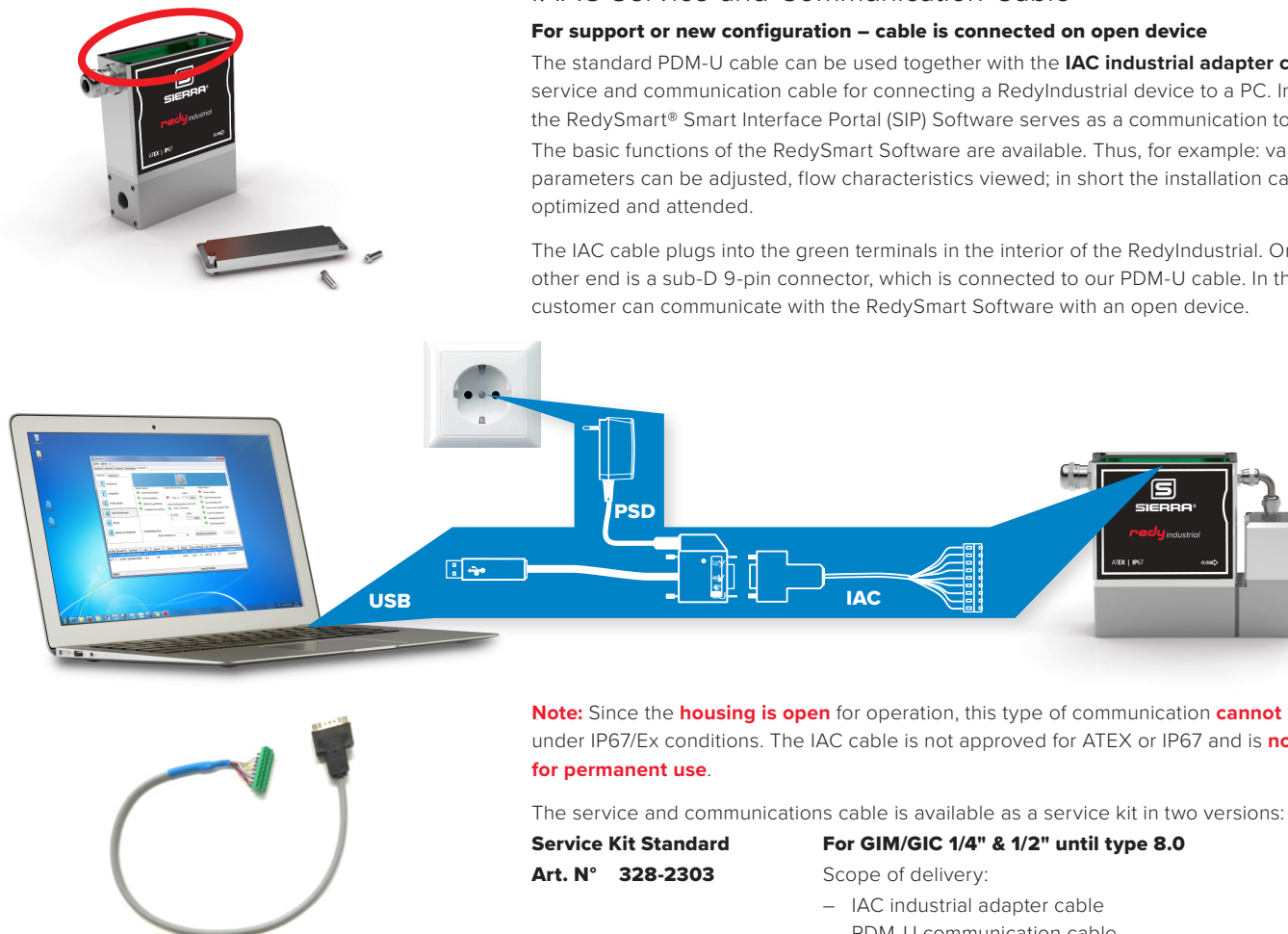# RedyIndustrial™ Series

Cables Connections, Converters, and Plugs

I. IAC Service and Communication Cable

For support or new configuration – cable is connected on open device

The standard PDM-U cable can be used together with the **IAC industrial adapter cable** as a service and communication cable for connecting a RedyIndustrial device to a PC. In the process, the RedySmart® Smart Interface Portal (SIP) Software serves as a communication tool.

The basic functions of the RedySmart Software are available. Thus, for example: valve parameters can be adjusted, flow characteristics viewed; in short the installation can be optimized and attended.

The IAC cable plugs into the green terminals in the interior of the RedyIndustrial. On the other end is a sub-D 9-pin connector, which is connected to our PDM-U cable. In this way the customer can communicate with the RedySmart Software with an open device.

Note: Since the **housing is open** for operation, this type of communication **cannot** be used under IP67/Ex conditions. The IAC cable is not approved for ATEX or IP67 and is **not designed for permanent use**.

The service and communications cable is available as a service kit in two versions:

Service Kit Standard	For GIM/GIC 1/4" & 1/2" until type 8.0
Art. N° 328-2303	Scope of delivery:
	– IAC industrial adapter cable
	– PDM-U communication cable
	– PSD power supply small (plug-type power supply)**

Service Kit Large	For GIC 1/2" type 8.0 (double valve with Profinet RT / EtherCAT)
Art. N° 328-2304	Scope of delivery:
	– IAC industrial adapter cable
	– PDM-U communication cable
	– PSD power supply large (desktop power supply)**

The service and communications cable can also be purchased separately:

IAC industrial adapter cable	Service and communication cable separate
Art. N° 328-2177	

*The RedySmart Software is supplied with each delivery or can be downloaded free of charge on our website

**When ordering please specify plug version: EURO, US, GB, AU/NZ or CN
For more information about power supplies, see the Power Supply Device Guide:
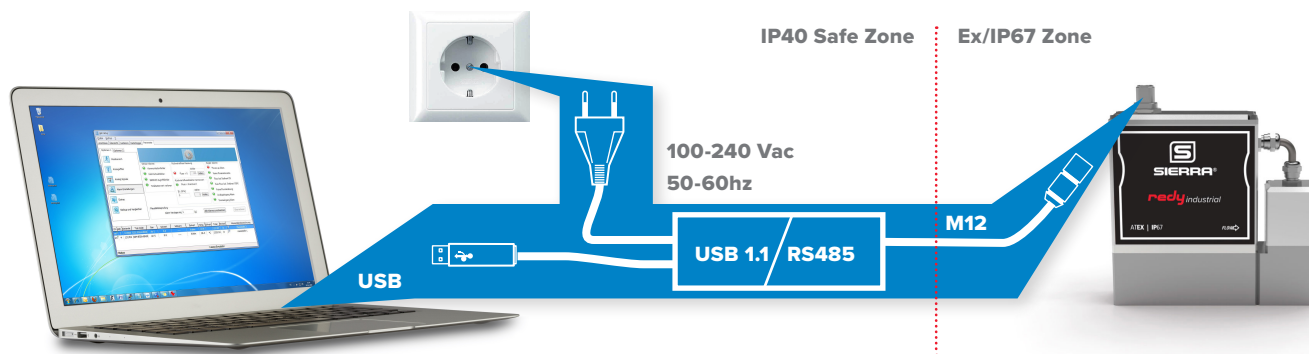sierrainstruments.com/psd_329-3010

II. USB Communication Module/Modbus RTU via M12 Plug

For PC-connection and operation with RedySmart Software* via M12 plug socket

The communication module has a USB1.1/RS485 converter in a housing. The 8-pin M12 terminal also has a 24Vdc/1A power supply.

Thus the thermal mass flow meter and controller of the RedyIndustrial *series* can be connected directly to a PC.

Note: The communication module is not approved for ATEX or IP67. IP67 protection is only guaranteed for the M12 plug connection on the RedyIndustrial device.

Service Kit M12	For all devices with M12 plug option
Art. N° 328-2301	Scope of delivery:

– Communication module with connected 8-pin cable with M12 round socket on cable end
– USB cable
– 100-240 Vac/50-60hz power cord**

For other communications options (e.g. RS-232, Ethernet) please contact the manufacturer.

III. Plugs for M12 Plug Connection

We also offer the following two plugs for digital and analog communication via optional M12 plug connection ex warehouse:
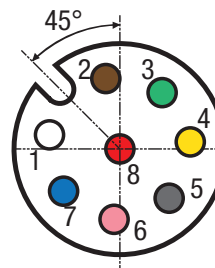

8pin plug without cable	Reference Binder: 99 04 86 12 08
Art. N° 328-2178	

8pin plug with cable shielded 5m	Reference Binder 79 35 80 35 08
Art. N° 328-2179	

Pin	Assignement	Wire color
1	RS485 (B+)	white
2	Output +	brown
3	Setpoint +	green
4	0 Vdc (Supply)	yellow
5	not connected	grey
6	RS485 (A-)	pink
7	24 Vdc (Supply)	blue
8	Signal common	red

*The Redy software is supplied with each delivery or can be downloaded free of charge on our website

**When ordering please specify plug version: EURO, US, GB or AU/NZ

Approvals/Conformities

Test Certificates – EN 10204

Confirmation by the manufacturer that the technical terms of delivery and standards for the supplied products have been met.

According to EN 10204 Sierra Instruments issues the following test certificates:

2.1 Certificate of Compliance with the Order	**Art. N° 328-6201**
2.2 Test report	**Art. N° 328-6203**
3.1 Acceptance Test Certificate	**Art. N° 328-6205***

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