



- Supported by PROFIBUS DP, PROFINET, Modbus RTU, Modbus TCP and EtherNet/IP; incl. HART transmission
- Connection for RS-485 (max. 1.5 Mbit/s) and Ethernet (max. 100 Mbit/s)
- Extensive diagnostics for CPU, power module, overall system and field devices
- Extended ambient temperature range of -40 to +75 °C

A4

WebCode 9442A



Modbus TCP



	ATEX / IECEx					
Zone	0	1	2	20	21	22
Ex interface			•			•
Installation in			•			•

Selection Table					
Installation	Zone 2			Art. No.	PS
Ethernet protocols	Product Type			246854 ▲	22
Profibus DP V1	9442/35-10-00				
ProfiNet					
EtherNET/IP					
Profibus DP V0					
Modbus TCP					
Modbus RTU (on request)					

Technical Data	
Explosion Protection	
Gas explosion protection IECEx	Ex ec ia [ja Ga] IIC T4 Gc
Gas explosion protection ATEX	⊕ II 3 (1) G Ex ec ia [ja Ga] IIC T4 Gc
Gas explosion protection EAC	2 Ex e ic [ja Ga] IIC T4 Gc X 2 Ex nA ic [ja Ga] IIC T4 Gc X
Certificates	ATEX (PTB), Canada (FM), EAC (Sertium), IECEx (PTB), USA (FM)
Electrical Data	
Connection RS-485 Interface	Sub-D socket, 9-pole
Transmission speed RS-485	≤ 12 Mbps
Connection Ethernet Interface	2 x RJ45
Ethernet transmission speed	≤ 100 Mbps
Auxiliary Power	
Current consumption max.	300 mA
Power dissipation max.	5 W
Power supply	Using 9445/35 power module
Mechanical Data	
Degree of protection IP (IEC 60529)	IP30
Width	31 mm

Technical Data

Mechanical Data

Height	110 mm
Length	152 mm

Accessories and Spare Parts

Figure	Description	Art. No.	Weight kg
Socket for CPU & Power Module			
	Zone 2 simplex, 3 slots for mounting / installing 1 x CPU and 2 x power module or 2 x CPU und 1 x power module Dimensions: approx. L = 167 mm, W = 96 mm, H = 50.6 mm	246871 ▲	-
Fieldbus Isolating Repeater Series 9185/12			
	Equipment for installation in safe areas or Zone 2 / Div. 2 For fieldbuses with RS-485 interface. Suitable for PROFIBUS DP, Modbus, R. STAHL service bus. RS-232, RS-422, RS-485 interface with the automation system Transmission rate automatically set with PROFIBUS DP Adjustable transmission rate (1.2 kbit/s to 1.5 Mbit/s) 24 V AC/DC auxiliary power For further information, see data sheet for 9185/12 series	227600	0.350
Optical fieldbus isolating repeater, Zone 2 / Div. 2			
	Isolating repeater for installation in Zone 2 / Div. 2 For fieldbus via fibre optic intrinsically safe cables "ex op is" into Zone 1 / Div. 1 Optical ring possible Extensive diagnostic function and fault-contact Suitable for Profibus DP up to 1.5 MBit/s Further versions and information see data sheet of Series 9186 optical fieldbus-isolating repeater	160624 ▲	0.244
Media converter FX op is / TX SC for Zone 2			
	Media Converter of 10/100 Base-Tx (1 x RJ45 port) to 100 Base-Fx "Ex op is" (1 x FO port SC); Multi mode (up to 4 km range); Webcode: 9721A	220381 ▲	0.240
Unmanaged Switch FX op is / TX SC			
	Unmanaged Switch FX op is to TX; SC plug connector FO cable 4 multi mode (MM), 2 RJ45, Installation in Zone 2	243427 ▲	0.500
Device DTM IS1+ for PROFIBUS DP and Ethernet			
	Parameterization and configuration of the IS1+ system Communicating with HART-compatible field devices Supports all common FDT frame applications (e.g. FieldCare, PactWare™) Condition Monitoring Scan function for automatic topology generation Download at r-stahl.com	-	-
IS1 PCS7 APL field device library			
	Easy connection of IS1+ modules to the SIEMENS control system PCS7 via PROFIBUS DP. The library contains CFC driver modules created in conformance with PCS7 modules, and documentation in English. HOTLINE support inclusive. Order, processing and support are carried out directly via SIEMENS: function.blocks.industry@siemens.com Hardware/software requirements: SIEMENS PCS7 V7.1 to 8 SP2 and IS1+ CPM 9440/...C1455 from V03.45 and GSD from V03.05	-	-
USB Converter			
	USB RS485 converter for installation in Zone 2. Noise insensitive, bidirectional conversion of USB data to RS485 serial data with power supply via USB port. Can be used for various applications, e.g. for missing RS485 interfaces to PCs. For further information, see data sheet for Series 9787 - Webcode 9787A	266011	0.170