

## List of Tested Devices and Versions SE03

Schneider Electric Modicon M580 and EtherNet/IP plus PROFIBUS PA for Mining Industry



Supported by:





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## 1 Document Information

### 1.1 Purpose and Scope

This document lists all relevant components and devices with versions as used for testing of the Reference Topology SE03. All content of this document is jointly developed, reviewed and approved by Schneider Electric and Endress+Hauser as a common deliverable of Open Integration.

### 1.2 Document History

This is version 1.00.00 of this document. Version history:

Version	Released	Description
1.00.00	2021-03	Initial version




### 1.3 Related Documents

Please refer to related documents as listed below:




Document	Description
SD02678S/04/EN/01.20	Reference Topology SE03
SD02679S/04/EN/01.20	Integration Tutorial SE03
SD02680S/04/EN/01.20	Integration Test Summary SE03

## 2 Process Control System

### 2.1 Reference Software



	Article	Description
EcoStruxure™ Control Expert  	Function	Configuration and commissioning of system backbone, all I/O and control strategies for Schneider Electric controllers.
	SW version	V15.0
	Operating system	Windows 10 Enterprise Version 1809 (64bits)
	Other relevant information	
Unity Loader  	Function	Download/Upload of projects and firmware for M580 platform
	SW version	V14.0-SP1
	Operating system	Windows 10 Enterprise Version 1809 (64bits)
	Other relevant information	Included in Unity Pro

### 2.2 Reference Hardware

	Article	Description
Modicon M580 CPU Module  	Function	Modicon M580 module control unit
	Order code	BME P58 2040
	FW version	V3.20
	Comm DTM	M580 Master DTM V2.14.23.0
	Other relevant information	
Modicon M580 Ethernet Module  	Function	Ethernet communication module M580, 3 ports
	Order code	BMENOC0311
	FW version	V2.18
	Comm DTM	BMENOC0311_2 V2.14.23.0
	Other relevant information	



### 3 Plant Asset Management System



#### 3.1 Reference Software

Endress+Hauser 	Article	Description
FieldCare 	Function	Configuration, commissioning and condition monitoring of intelligent field devices.
	Order code	SFE500-NEGG101
	SW version	V2.14.00
	DTM library	V2.48.00
	Operating system	Windows 10 Enterprise Version 1809 (64bits)


### 4 Field Network Infrastructure



#### 4.1 Reference Software

	Detail	Description
Ethernet Switch Configurator 	Function	Schneider Electric Ethernet switches IP Address Configuration
	Order code	V2.3.03
	SW version	Windows 10 Enterprise Version 1809 (64bits)
	Operating system	Included with switch hardware delivery
	Other relevant information	The Switch network parameters configuration is done via Web server and requires Java 6.x plugins

	Detail	Description
epGate PB 	Function	Search and Configure Discovery Tool
	Order code	-
	SW version	V1.46
	Operating system	Windows 10 Professional (64 bit)

## 4.2 Reference Hardware

	Article	Description
ConneXium TCSESM-E Switch  	Function	Extended Managed Ethernet Switch
	Order code	TCSESM083F23F1
	FW version	9.14
	Other relevant information	

<small>optimize!</small> <b>softing</b>	Detail	Description
epGate PB  	Function	EtherNet/IP to PROFIBUS DP/PA Master Gateway
	Order Code	GCA-CL-024705
	FW version	V1.10
	Comm DTM	PROFIdtm DPV1 V2.23.0 / 08.04.2019
	Other relevant information	Integration with: EDS File generated from Softing Gateway Web server or Schneider Electric Advanced Generic EDS V1.10.11.0
epGate PA  	Function	EtherNet/IP to PROFIBUS PA Master Gateway
	Order Code	GCA-CL-024704
	FW version	V1.10
	Comm DTM	PROFIdtm DPV1 V2.23.0 / 08.04.2019
	Other relevant information	

## 5 Field Devices

### 5.1 EtherNet/IP




Endress+Hauser  People for Process Automation		Detail	Description	Device Type
Liquiline 	Function	Liquid Analyzer Transmitter	0x109C	
	Order Code	CM444-AAM2DA0F260BAAAAZ1		
	Serial No.	KC008405G00		
	FW version	01.07.03		
	EDS	EH_AN_Liquiline_CM44x_0x109C_0x02_0x01.zip		
	DTM	n.a.		
Promag 300/500 	Function	Electromagnetic Flow Transmitter	0x103C	
	Order Code	5H5B02-AAINAAAAGAABERFDAS0AA1ABEB		
	Serial No.	MB11C719000		
	FW version	01.00.05		
	EDS	EH_EIP_FL_Promag300500_0x103C_0x01_EDS.zip		
	DTM	Promag 300 500 / 5x3x 5x5x / EIP / FW 1.00.zz / Dev. Rev. 1 V1.10.0.59 / 2017-12-01 / DTM Library 2.48		
Promass 300/500 	Function	Coriolis Flow Transmitter	0x103B	
	Order Code	8E3B08-AAINAAAGARSAD2SHA1ABEB		
	Serial No.	MB09E602000		
	FW version	01.00.05		
	EDS	EH_EIP_FL_Promass300500_0x103B_0x01_EDS.zip		
	DTM	Promass 300 500 / 8x3x 8x5x / EIP / FW 1.00.zz / Dev. Rev. 1 V1.10.0.94 / 2017-12-01 / DTM Library 2.48		
Memograph M 	Function	Advanced Data Manager	0x107A	
	Order Code	RSG45-AA2CAAAAAA1E1AA		
	Serial No.	M603FA04484		
	FW version	02.04.04		
	EDS	EH_ETH_CO_Memograph_M_0x107A_0x02_0x01.zip		
	DTM	n.a.		



## 5.2 PROFIBUS PA

Endress+Hauser	Detail	Description	Device Type
Promag 50 	Function	Electromagnetic Flow Transmitter	0x1525 0x1505 0x9740
	Order Code	50D25-3CGA1AA0KBAHZ1	
	Serial No.	J905A019000	
	FW version	03.06.01	
	PA Profile	3.00	
	GSD	EH_PA_FL_Promag_0x0x1525_0x08_0x01_PALIB.zip	
	DTM	Promag / 50 / PA / V3.06.xx Version 1.5.153.348 / 2015-10-21 / DTM Library 2.48	
Cerabar M 	Function	Absolute and Gauge Pressure Transmitter	0x1553 0x151C 0x9700
	Order Code	PMP51-AA31RI1KGBTQJA3AA77Z1	
	Serial No.	J8050901129	
	FW version	01.00.01	
	PA Profile	3.02	
	GSD	EH_PA_PR_Cerabar M_0x1553_0x01_0x01_PALIB.zip	
	DTM	Cerabar M / PMx5x / PA / FW 1.00.zz / Dev.Rev. 1 Version 1.5.155.349 / 2016-05-12 / DTM Library 2.48	
Deltabar S 	Function	Differential Pressure Transmitter	0x1542 0x1504 0x9700
	Order Code	PMD75-AND7B11BAAAZ1	
	Serial No.	J804B40109D	
	FW version	04.01.00	
	PA Profile	3.02	
	GSD	EH_PA_PR_DeltabarS_0x1542_0x03_0x01_PALIB.zip	
	DTM	Delatabar S / xMD 7x / PA / FW 4.01.zz / Dev. Rev. 3 Version 1.5.155.349 / 2016-05-12 / DTM Library 2.48	

Endress+Hauser 		Detail	Description	Device Type
	Function	Temperature Transmitter		0x1551
	Order Code	TMT84-A1A2C+B1		0x1523
	Serial No.	J8003B14457		0x9700
	FW version	01.01.07		0x9701
	PA Profile	3.02		0x9702
	GSD	EH_PA_TE_iTEMP_0x1551_0x02_0x01_PALIB.zip		0x9703
	DTM	iTEMP / TMT84 / PA / FW 1.01.zz / Dev.Rev. 2 Version 1.5.153.348 / 2015-10-21 / DTM Library 2.48		
	Function	Radar Level Transmitter		0x1559
	Order Code	FMR51- AAGCCIBAA5RVJAA77Z1		0x1522
	Serial No.	J8002A01134		0x9700
	FW version	01.01.01		
	PA Profile	3.02		
	GSD	EH_PA_LE_Micropilot_0x1559_0x01_0x01_PALIB.zip		
	DTM	Micropilot / FMR5 / PA / FW 1.01.zz / Dev.Rev. 2 Version 1.11.0.375 / 2019-10-14 / DTM Library 2.48		
	Function	Ultrasonic Level Transmitter		0x152C
	Order Code	FMU41- ARD2A5		0x9700
	Serial No.	J800D70109A		
	FW version	01.04.00		
	PA Profile	3.00		
	GSD	EH_PA_LE_Prosonic_0x152C_V01_00_PALIB.zip		
	DTM	Prosonic M / FMU4x / PA / V4.xx Version 1.5.155.350 / 2016-10-11 / DTM Library 2.48		

Endress+Hauser 		Detail	Description	Device Type
Levelflex 	Function	Guided Radar Level Transmitter		0x1558 0x152D 0x9700
	Order Code	FMP51-AAGCCIAAAA4GDJAA77Z1		
	Serial No.	J800C30112C		
	FW version	01.01.01		
	PA Profile	3.02		
	GSD	EH_PA_LE_Levelflex_0x1558_0x01_0x01_PALIB.zip		
	DTM	Levelflex / FMP 5x / PA / FW 1.01.zz / Dev. Rev. 2 Version 1.11.0.1017 / 2019-10-14 / DTM Library 2.48		
Gammapilot M 	Function	Radiometric Level Transmitter		0x1548 0x9700
	Order Code	FMG60-A2A2A3A2A		
	Serial No.	Test device		
	FW version	01.03.08		
	PA Profile	3.00		
	GSD	EH_PA_LE_Gammapilot_0x1548_V01_00_PALIB.zip		
	DTM	Gammapilot M / FMG 60 / PA / V1.xx Version 1.5.155.349 / 2016-05-11 / DTM Library 2.48		

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