

Active field distributor AFD4 for standard mounting rail mounting without enclosure for PROFIBUS PA for foundation Fieldbus H1, 4 short circuit-proof spur lines with bounce protection logic Automatic bus termination for line and ring topology for extended temperature range Degree of protection IP20



General information	
Product function	
• Repeater function	No
Supply voltage	
permissible range, lower limit (DC)	16 V
permissible range, upper limit (DC)	32 V
Input current	
Current consumption (in no-load operation), typ.	24 mA; 54 mA at the end of the cable
Power loss	
Power loss, typ.	384 mW
Power loss, max.	3.2 W
Interfaces	
PROFIBUS PA	
• Transmission rate, max.	31.25 kbit/s
• Number of connectable PA field devices	4
• Current output to PA field devices, max.	240 mA
• permissible current per spur line	60 mA
Protocols	
PROFIBUS PA	Yes
FOUNDATION Fieldbus H1	Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	No
Diagnostics function	Yes
Diagnostics indication LED	
• Main line status	Yes
• Spur line status/fault	Yes
• automatic bus termination	Yes
Potential separation	
between main line and spur lines	No
Degree and class of protection	
IP degree of protection	IP20
Standards, approvals, certificates	
Use in hazardous areas	
• ATEX Zone 1	No
• ATEX Zone 21	No
• ATEX Zone 2	Yes
• ATEX Zone 22	Yes

• FM Class I Zone 1	No	
• FM Class I Zone 2, Division 2	Yes	
<b>Ambient conditions</b>		
Ambient temperature during operation		
• min.	-40 °C	
• max.	70 °C	
Ambient temperature during storage/transportation		
• min.	-40 °C	
• max.	70 °C	
<b>Connection method</b>		
connection method / main cable / header		
• number of connections / for PROFIBUS PA main cable	2	
• design of the electrical connection / for PROFIBUS PA main cable	Screw terminal block	
• design of the PROFIBUS PA main cable	Type A	
• Conductor cross-section, min.	0.2 mm <sup>2</sup>	
• Conductor cross-section, max.	2.5 mm <sup>2</sup>	
• product function / of the PROFIBUS PA main cable / automatic bus termination	Yes	
• permissible main line current	1 A	
connection method / spur line / header		
• Number of spur lines	4	
• Type of cable	Type A	
• Conductor cross-section, min.	0.2 mm <sup>2</sup>	
• Conductor cross-section, max.	2.5 mm <sup>2</sup>	
• total current output to field devices, max.	240 mA	
• Number of connectable field devices	4	
• Current limitation per field device, max.	60 mA	
• Short-circuit current (test current); max.	6 mA	
• intrinsically safe according to FISCO model	No	
• Debounce logic	Yes	
<b>Dimensions</b>		
Width	220 mm	
Height	120 mm	
Depth	83 mm	
<b>Weights</b>		
Weight, approx.	1 000 g	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
eClass	14	27-24-26-08
eClass	12	27-24-26-08
eClass	9.1	27-24-26-08
eClass	9	27-24-26-08
eClass	8	27-24-26-08
eClass	7.1	27-24-26-08
eClass	6	27-24-26-08
ETIM	10	EC001604
ETIM	9	EC001604
ETIM	8	EC001604
ETIM	7	EC001604
IDEA	4	3564
UNSPSC	15	32-15-17-05
<b>Approvals / Certificates</b>		
<b>General Product Approval</b>		



EG-Konf.

[Miscellaneous](#)



[China RoHS](#)



RCM



For use in hazardous locations



ATEX



IECEX

[Type Examination Certificate](#)

[EM](#)



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Environment



EPD

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