

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 • FM Class I Zone 2, Division 2	No Yes		
Ambient conditions			
Ambient temperature during operation			
• min.	-40 °C		
• max.	70 °C		
Ambient temperature during storage/transportation			
• min.	-40 °C		
• max.	70 °C		
Connection method			
Main line			
• Number of main lines	2		
• Design of terminals	Screw terminal block		
• Type of cable	Type A		
• Conductor cross-section, min.	0.2 mm²		
• Conductor cross-section, max.	2.5 mm²		
• automatic bus termination	Yes		
• permissible main line current	1 A		
Spur line			
• Number of spur lines	4		
• Type of cable	Type A		
• Conductor cross-section, min.	0.2 mm²		
• Conductor cross-section, max.	2.5 mm²		
• 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		
Dimensions			
Width	220 mm		
Height	120 mm		
Depth	83 mm		
Weights			
Weight, approx.	1 000 g		
Classifications			
		Version	Classification
	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
	Approvals / Certificates		
General Product Approval			



[Miscellaneous](#)



[China RoHS](#)



For use in hazardous locations



[Type Examination Certificate](#)

[EM](#)



Environment



last modified:

5/9/2025