

### 3.3 Technical specifications of active field distributors AFD8 (6ES7157-0AG82-0XA0)

<b>Technical specifications</b>	
Order number	6ES7157-0AG82-0XA0
Product version	01
<b>Dimensions and weight</b>	
Dimension W x H x D (mm)	360 x 120 x 83; without cable gland
Mounting dimensions (mm)	344 x 82
Weight	3000 g
<b>Supply voltages</b>	
Description	By bus; no auxiliary power necessary
Rated value	
• Low limit of permitted range (DC)	16 V
• High limit of permitted range (DC)	32 V
• Polarity reversal protection	Yes; in conjunction with FDC 157
• Overvoltage protection	No
<b>Power consumption</b>	
• Power consumption at no-load	34 mA
• Power consumption	34 mA + total current of all field devices
• Additional power consumption of the AFD8 at end of line	30 mA
• Power consumption at max. current output per spur line	514 mA
<b>Power loss</b>	
• Power loss, min.	544 mW
• Power loss, max.	4.1 W
<b>Interfaces</b>	
PROFIBUS PA	Yes
FOUNDATION Fieldbus H1	Yes
<b>Connections</b>	
<b>Main cables</b>	
Quantity	2
Connection terminals (internal)	Screw-type terminals (2-pin)
Cable gland (enclosure)	M16
Cable type	Type A
• Min. cable diameter	4 mm
• Max. cable diameter	9 mm
• Min. conductor cross-section	0.2 mm <sup>2</sup>
• Max. conductor cross-section	2.5 mm <sup>2</sup>