

**FAD**  
**FAD S7/300 HE20 16DIO****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

Front adapters for Siemens S7-300 20- and 40-pole cards. The power can be supplied directly to the front adapter and it can be commonly or individually distributed per byte (8 signals).

**General ordering data**

Type	FAD S7/300 HE20 16DIO
Order No.	<a href="#">1127850000</a>
Version	Interface, FAD, Specific, Plug-in connectors according to IEC 60603-13 / DIN 41651 20p
GTIN (EAN)	4032248909278
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Length	124 mm	Length (inches)	4.882 inch
Width	23 mm	Width (inches)	0.906 inch
Net weight	45 g		

**Temperatures**

Operating temperature, max.	50 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	60 °C	Storage temperature, min.	-40 °C
Operating temperature	-25...50 °C	Storage temperature	-40...60 °C

**Connection data**

Connection (field side)	Plug-in connectors according to IEC 60603-13 / DIN 41651 20p	Connection to PLC	Siemens S7-300
Connection to the card	6ES7 321-1BH01-OAAO, 6ES7 321-1BH81-OAAO, 6ES7 321-1BH50-OAAO, 6ES7 321-7RD00-OABO, 6ES7 322-1BH01-OABO, 6ES7 322-1BH81-OAAO	Supply plug-in connectors	LM 3.5mm

**Ratings data**

Operating voltage	30 V AC / 60 V DC	Max. current per channel	1 A
Max. current per byte	2 A		

**Insulation coordination (EN50178)**

According to	DIN EN 50178	Rated insulation voltage	< 50 V AC
Surge voltage category	III	Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.5 kV	Insulation test voltage	0.35 kVAC

**Supply connection**

Type of connection	Screw connection	Clamping range, min.	0.08 mm <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 mm <sup>2</sup>
Ferrule with plastic collar, max.	0.75 mm <sup>2</sup>	Wire cross-section, min. AWG	AWG 28
Wire cross-section, max. AWG	AWG 14	Tightening torque, min.	0.2 Nm
Tightening torque, max.	0.25 Nm	Stripping length	5 mm

**Classifications**

ETIM 5.0	EC000237	ETIM 6.0	EC002584
eClass 6.2	27-24-22-04	eClass 7.1	27-24-92-05
eClass 8.1	27-24-92-05	eClass 9.0	27-24-22-20
eClass 9.1	27-24-22-92		

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS

Conform

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**Drawings**

