

Communication

PROFIBUS PA

PA routers

Technical specifications (continued)

Power consumption of modules (24 V DC)	
• In the PA link	Max. 200 mA (at 20.4 V)
• in the Y link	Max. 400 mA (at 20.4 V)
Power loss of the module	
• In the PA link	Max. 2.6 W (at 28.8 V)
• in the Y link	Max. 3.6 W (at 28.8 V)
Infeed, mechanical design	4-pin screw terminal, short-circuiting link between PE and M24; the short-circuiting link must be removed for floating operation (independent of this, the DP interface is always floating)

Status, interrupts, diagnostics	
Diagnostic displays	
• Group error	Red LED "SF"
• Bus error on higher level DP master system	Red LED "BF 1"
• Bus error on underlying bus system	Red LED "BF 2"
• Module is active in redundancy mode	Yellow LED "ACT"
• 24 V DC power supply monitoring	Green "ON" LED
Climatic conditions	
Permissible operating temperature	
• Horizontal installation	-25 ... +60 °C
• Vertical installation	-25 ... +40 °C
Dimensions and weight	
Dimensions (W x H x D) in mm	40 x 125 x 130
Weight	approx. 360 g

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Ordering data

	Order No.
DP/PA coupler For transition from RS 485 to MBP	
• DP/PA coupler Ex [i] Fieldbus coupler between PROFIBUS DP and PROFIBUS PA, EEx(ia) version, max. output current 110 mA; degree of protection IP20; for extended temperature range, permissible operating temperature -25 ... +60 °C	6ES7 157-0AD82-0XA0
• DP/PA coupler FDC 157-0 Fieldbus coupler between PROFIBUS DP and PROFIBUS PA, with redundancy capability; integrated PROFIBUS diagnostics slave; max. output current 1 A; degree of protection IP20; for extended temperature range, permissible operating temperature -25 ... +60 °C	6ES7 157-0AC83-0XA0
IM 153-2 High Feature Interface module for PA Link and Y-Link; with redundancy capability; degree of protection IP20; for extended temperature range, permissible operating temperature -25 ... +60 °C	6ES7 153-2BA82-0XB0
Accessories	
PS 307 load power supply Including connecting comb; 120/230 V AC; 24 V DC	
• 2 A; 40 mm wide	6ES7 307-1BA01-0AA0
• 5 A; 60 mm wide	6ES7 307-1EA01-0AA0
• 5 A, extended temperature range; 80 mm wide	6ES7 307-1EA80-0AA0
• 10 A, 80 mm wide	6ES7 307-1KA02-0AA0
PS 305 load power supply 24/48/60/110 V DC; 24 V DC	
• 2 A, extended temperature range; 80 mm wide	6ES7 305-1BA80-0AA0
Standard profile rails (without hot swapping function)	
• 482 mm wide (19 inches)	6ES7 390-1AE80-0AA0
• 530 mm wide	6ES7 390-1AF30-0AA0

Components for hot swapping and for redundant design

	Order No.
Active bus modules for hot swapping	
• BM PS/IM SIPLUS extreme for 1 load current supply and 1 IM 153-2 High Feature module; for "hot swapping" function, for extended temperature range, permissible operating temperature -25 ... +70 °C	6AG1 195-7HA00-2XA0
• BM IM/IM for 2 IM 153-2 High Feature modules, for redundant and non-redundant configuration, for "hot swapping" function, for extended temperature range, permissible operating temperature -25 ... +60 °C	6ES7 195-7HD80-0XA0
• BM FDC for 1 DP/PA coupler Ex [i] or FDC 157-0, for "hot swapping" function, for extended temperature range, permissible operating temperature -25 ... +60 °C	6ES7 195-7HF80-0XA0
• BM FDC/FDC for 2 DP/PA couplers FDC 157-0, for "hot swapping" function, for extended temperature range, permissible operating temperature -25 ... +60 °C	6ES7 195-7HG80-0XA0
Mounting rail for hot swapping For max. 5 active bus modules	
• 482 mm wide (19 inches)	6ES7 195-1GA00-0XA0
• 530 mm wide	6ES7 195-1GF30-0XA0
• 620 mm wide	6ES7 195-1GG30-0XA0
Covers 4 backplane bus covers and 1 cover for active bus module	6ES7 195-1JA00-0XA0

I: Subject to export regulations AL: N and ECCN: EAR99H