

SIMATIC S7-400 advanced controller

Interface modules

IM 460-0

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Overview



- Send interface module for central expansion to 5 m
- Transmission of P and K bus
- Can be plugged into the central controller
- Up to 8 expansion racks can be connected (up to 4 per interface)
- Can be used exclusively with IM 461-0

Technical specifications

Article number	6ES7460-0AA01-0AB0 TRANSMITT. INTERF.MOD. IM460-0, W. K BUS
Product type designation	
Input current	
from backplane bus 5 V DC, max.	140 mA
Power losses	
Power loss, max.	700 mW
Hardware configuration	
Cable length between first and last interface module, max.	5 m
Dimensions	
Width	25 mm
Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	600 g

Ordering data

Article No.

IM 460-0 interface module	6ES7460-0AA01-0AB0
Send interface module for central connection up to 5 m; with C bus transmission	
468-1 connecting cable	
between IM 460-0 and IM 461-0; IM 460-3 and IM 461-3	
0.75 m	6ES7468-1AH50-0AA0
1.5 m	6ES7468-1BB50-0AA0
5 m	6ES7468-1BF00-0AA0

SIMATIC S7-400 advanced controller

Interface modules

IM 461-0**Overview**

- Receive interface for centralized expansion up to 5 m
- Transmission of P and K bus
- Can be plugged into expansion rack
- To be used exclusively with IM 460-0

Technical specifications

Article number	6ES7461-0AA01-0AA0 RECEIVER INTERF. MOD. IM461-0, w. K-BUS
Product type designation	
Input current	
from backplane bus 5 V DC, max.	290 mA
Power losses	
Power loss, max.	1 450 mW
Hardware configuration	
Cable length between first and last interface module, max.	5 m
Dimensions	
Width	25 mm
Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	610 g

Ordering data**Article No.**

IM 461-0 interface module	6ES7461-0AA01-0AA0
Receive interface module for central connection up to 5 m; with C bus transmission	
468-1 connecting cable	
between IM 460-0 and IM 461-0; IM 460-3 and IM 461-3	
0.75 m	6ES7468-1AH50-0AA0
1.5 m	6ES7468-1BB50-0AA0
5 m	6ES7468-1BF00-0AA0
Terminating connector	6ES7461-0AA00-7AA0
for IM 461-0	

Overview



- Send interface module for distributed expansion to 102 m
- Transmission of K and P bus
- Can be plugged into the central controller
- Up to 8 expansion racks can be connected (up to 4 per interface)
- Can be used exclusively with IM 461-3

Technical specifications

Article number	6ES7460-3AA01-0AB0 TRANSMITT. INTERF.MOD- IM460-3,UP TO 102M	
Product type designation		
Input current		
from backplane bus 5 V DC, max.	1 550 mA	
Power losses		
Power loss, max.	7 750 mW	
Hardware configuration		
Cable length between first and last interface module, max.	102.25 m	
Dimensions		
Width	25 mm	
Height	290 mm	
Depth	217 mm	
Weights		
Weight, approx.	630 g	

Ordering data

Article No.

IM 460-3 interface module	6ES7460-3AA01-0AB0
Send interface module for distributed connection up to 102 m; with C bus transmission	
468-1 connecting cable	
between IM 460-3 and IM 461-3	
0.75 m	6ES7468-1AH50-0AA0
1.5 m	6ES7468-1BB50-0AA0
5 m	6ES7468-1BF00-0AA0
10 m	6ES7468-1CB00-0AA0
25 m	6ES7468-1CC50-0AA0
50 m	6ES7468-1CF00-0AA0
100 m	6ES7468-1DB00-0AA0

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Interface modules

IM 461-3**Overview**

- Receive interface for distributed expansion up to 102 m
- Transmission of data from the P-bus and C-bus
- Can be plugged into expansion rack
- To be used exclusively with IM 460-3

Technical specifications

Article number	6ES7461-3AA01-0AA0 RECEIVER INTERF. MOD. IM461-3, UP TO 102M
Product type designation	
Input current	
from backplane bus 5 V DC, max.	620 mA
Power losses	
Power loss, max.	3 100 mW
Hardware configuration	
Cable length between first and last interface module, max.	102.25 m
Dimensions	
Width	25 mm
Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	620 g

Ordering data**Article No.**

IM 461-3 interface module	6ES7461-3AA01-0AA0
Receive interface module for distributed connection up to 102 m; with C bus transmission	
468-1 connecting cable	
between IM 460-3 and IM 461-3	
0.75 m	6ES7468-1AH50-0AA0
1.5 m	6ES7468-1BB50-0AA0
5 m	6ES7468-1BF00-0AA0
10 m	6ES7468-1CB00-0AA0
25 m	6ES7468-1CC50-0AA0
50 m	6ES7468-1CF00-0AA0
100 m	6ES7468-1DB00-0AA0
Terminating connector	6ES7461-3AA00-7AA0
for IM 461-3	