

Gateways AS-Interface/Profibus-DP

IP 20



IP 65



Ordering data	Art.-No.	Art.-No.
Gateway AS-Interface Profibus-DP	55718	55719

Technical data	
AS-Interface supply voltage	26,5...31,6 V
AS-Interface current usage	≤ 200 mA
Bus connection	via AS-Interface flat profile cable

Technical data	Profibus
Type	Profibus-DP Slave
Bus connection	Sub-D 9-pole plug-in connector spring clamp terminals
Transfer protocol	Profibus-DP to DIN 19245
Addressing	via keys (mode/set) on the unit, address range 3...99
Transfer rate	9,6 kBaud up to 12 MBaud, automatic detection

Diagnostics	
LC-Display	address display, error messages
LED green (power)	voltage present
LED green (ser active)	Profibus communication
LED red (config error)	configuration error (also over the bus controller)
LED green (U AS-Interface)	AS-Interface voltage present (also over the bus controller)
LED green (AS-Interface active)	AS-Interface communication (also over the bus controller)
LED green (prg. enable)	auto programming enabled
LED gelb (prj. mode)	project mode active (also over the bus controller)

General data	
Protection	IP 20 IP 65
Temperature range	0...55 °C
Dimensions H x W x D	75 x 100 x 110 mm 95 x 91 x 70 mm
Weight	approx. 420 g approx. 500 g

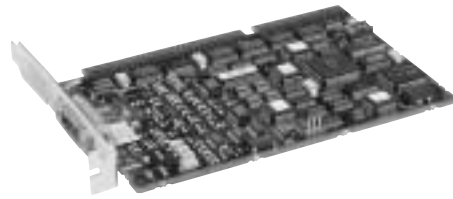
Accessories	Art.-No.
GSD-/Type files	3,5" disk with unit specific Profibus communication 55246
Software tool	easy diagnostic/startup of AS-Interface system via the Profibus Gateway using the PC 55714
RS 232/RS 485 converter	to operate the AS-Interface Gateways via the PC serial using the software tool 55716
Connection cable	between IP65 Gateway and RS232/RS486 converter 55715
AS-Interface flat profile cable yellow	2 x 1,5 mm ² (per meter) 55743
Profibus data cable	55770
Profibus connector	up to 12 MBit/s with switchable terminal resistor 55762

Notes
Other gateways on request.

MASI Accessories

Master for PC

Master for Siemens Controlling Mains



Master card	Art.-No.	Art.-No.
for PC	55729	
for S5-90U, S5-95U, S5-100U, ET-200U		55720
Technical data		
Supply voltage	5 V via bus	9 V via bus
Current usage	typ. 720 mA	typ. 200 mA
Temperature range	0...60 °C	0...60 °C
Weight	approx. 110 g	approx. 360 g
Format	short AT format	AG 100U installation technique
Dimensions (H x W x D)	152 x 107 x 15 mm	134 x 90 x 85 mm
AS-Interface connector	via screw terminal	via S5-Bus module; terminal 7...8; 9...10
Data interface	2 kB Dual-Port-RAM	16 Byte in the analogue range
Documentation/Software		Art.-No.
Handbook for PC- and S5-Master		55724
Driver software for PC-Master		55730

Notes

Other master on request

Power supply for the AS-Interface-Bus (ASI) – single phase

- primary switch mode
- touch protected



MA SI - 2,8

Input voltage 115 V AC



MA SI - 2,8

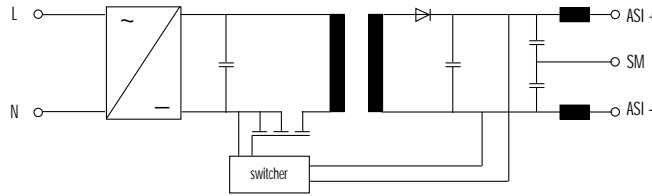
Input voltage 230 V AC

MA SI - 2,8 IP67

Input voltage 230 V AC

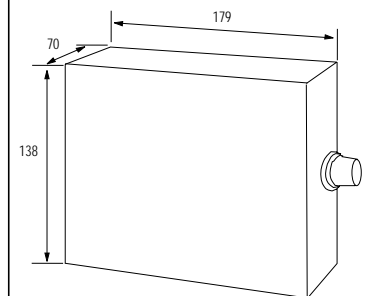
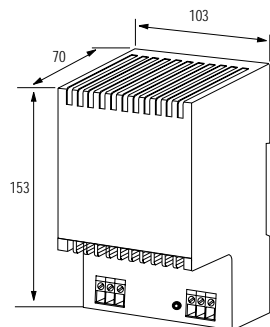


Circuit diagram



Ordering data		Art.-No.	Art.-No.	Art.-No.
MA SI-2,8		85425	85424	
MA SI-2,8 IP67				85430
Technical data		Input		
Input voltage		115 V AC + 20 % / -15 %	230 V AC ± 20 %	
Input current		1,3 A	0,8 A	
Frequency		50/60 Hz		
Safety		fuse 1,6 A tr (internal, not accessible)		
Technical data		Output		
Output voltage		30,5 V ± 3%		
Max. output current		2,8 A		
Power		85,4 W		
Efficiency		0,85		
Ripple		< 50 mVss		
Protection		overload and short-circuit protected		
Status indicator		LED green and smoothing capacitor		
Output filter		filter to AS-Interface Specification		
General data		Test insulation voltage		4,2 kV AC
Safety		to EN 60950		
Protection		IP20		IP67
Temperature range		-10...+60 °C		
Mounting method		DIN-rail mounting to EN 50022		
AS-Interface		the unit meets ASI requirements for power supplies (PELV)		
Dimensions H x W x D		153 x 103 x 70 mm		138 x 179 x 70 mm

Dimension drawing



Notes

In order to guarantee heat dissipation by convection, the unit must be mounted horizontally.

Accessories	Description	Art.-No.
	<p>AS-Interface distribution box, flat profile cable</p> <ul style="list-style-type: none"> - IP65 Protection - Connector 1: AS-Interface flat profile cable - Connector 2: AS-Interface flat profile cable - Current capacity 4.5 A 	55749
	<p>AS-Interface distributor flat profile/round cable</p> <ul style="list-style-type: none"> - IP65 Protection - Cable entry: 3 x Pg11, 2 pieces flat gasket included - Current capacity 16 A 	55745
	<p>AS-Interface adapter flat profile cable → round cable</p> <ul style="list-style-type: none"> - IP52 Protection - Connector 1: AS-Interface flat profile cable - Connector 2: 2 wire round cable Ø 5...6 mm 	55740
	<p>AS-Interface adapter flat profile cable → M12</p> <ul style="list-style-type: none"> - Current capacity 2 A - IP67 Protection - Connector 1: AS-Interface flat profile cable - Connector 2: M12 round connector 	55741
	<p>AS-Interface adapter flat profile cable → PG11</p> <ul style="list-style-type: none"> - Current capacity 2 A - IP67 Protection - Connector 1: AS-Interface flat profile cable - Connector 2: Continuation via standard cable 	55732
	<p>AS-Interface flat profile cable yellow, 2 x 1.5 mm² PVC</p>	55743
	<p>AS-Interface flat profile cable black, 2 x 1.5 mm² PVC</p>	55744
	<p>AS-Interface round cable black, 2 x 1.5 mm² PVC</p>	55747
	<p>AS-Interface round cable black, 2 x 2.5 mm² PVC</p>	55748
	<p>End caps for AS-Interface flat profile cable To insulate and seal AS-Interface flat profile cable ends in combination with modules in the 1 set = 5 end caps left and 5 end caps right</p>	MVK line 55746
	<p>Mounting bracket for AS-Interface flat profile cable 1 set = 50 pieces</p>	55742
	<p>Addressing device for AS-Interface For simple addressing of AS-Interface Slaves. Inclusive mains / charging unit, Slave- connection cables with terminals and connector.</p>	55696
	<p>AS-Interface programming cable Slave- connection cables (M12- round connector) with plug-in terminals and connectors</p>	55727