

Primary switch mode – single-phase

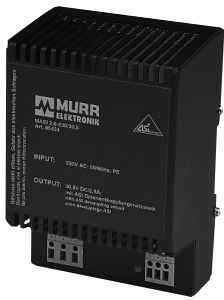


Supply voltage for
AS-Interface Bus

Touch protected to EN 60529
(IP20)

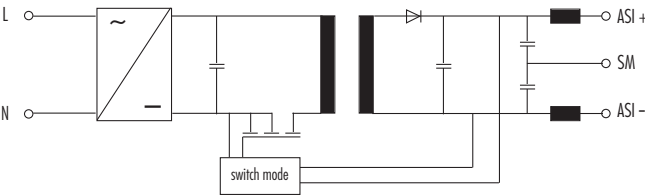
MA SI - 2.8
Input voltage 115 V AC

MA SI - 2.8
Input voltage 230 V AC



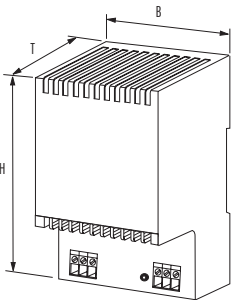
Approvals:

Circuit diagram



Ordering data		Art.-No.	Art.-No.
	Output rating		
30.5 V DC/2.8 A	85.4 W	85425	85424
Input			
Input voltage	115 V AC	230 V AC	
Input current	1.3 A	0.8 A	
Inrush	< 14 A	< 20 A	
Primary fusing	max. 10 A T		
Frequency	50/60 Hz		
Output			
Output voltage	30.5 V DC SELV ± 3 %		
Max. output current	2.8 A		
Efficiency	0.85		
Mains failure bridging	> 30 ms (115 V AC)	> 30 ms (230 V AC)	
Ripple	< 50 mVss		
Protection	short-circuit and overload protected		
Status indicator	green LED at output voltage		
Output filter	filter to AS-Interface specification		
General data			
Norm	EN 60950-1, EN 61204-3, EN 55022 B		
Temperature range	-10...+60 °C		
Mounting method	DIN-rail mounting to EN60715 (TH35)		
AS-Interface	unit meets AS-Interface specification for power supplies (PELV)		
Weight	0.71 kg		
Dimensions H x B x T	153 x 103 x 70 mm		

Dimension drawing/Fixing centers



Notes

MA SI - 2.8 primary switch mode meets EN 61000-3-2 guideline.

Primary switch mode – single-phase

Supply voltage for
AS-Interface Bus

Touch protected to EN 60529
(IP20)

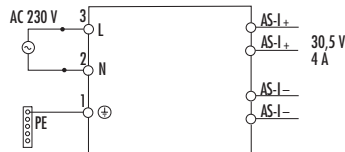
Approvals:



Circuit diagram

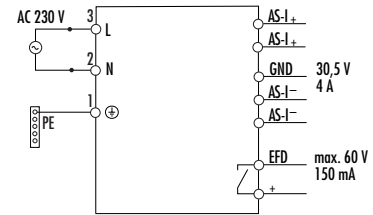
MCS-A 4

Input voltage 95...265 V AC

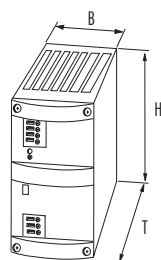


MCS-A 4 EFD

Input voltage 95...265 V AC



Ordering data	Art.-No.	Art.-No.
Output rating 30.5 V DC/4 A	85381	85382
Input		
Input voltage	95...265 V AC	95...265 V AC
Input current	2.1 A at 110 V AC	
Inrush	≤ 35 A at 230 V AC	
Primary fusing	max. 10 A T	
Frequency	50/60 Hz	
Output		
Output voltage	30.5 V DC SELV ± 2 %	
Max. output current	4.0 A (40 °C) ... 3.4 A (55 °C)	
Efficiency	0.85/240 V AC	
Mains failure bridging	> 14 ms typical/110 V AC	
Ripple	< 20 mV eff	
Protection	short-circuit and overload protected	
Status indicator	green LED at output voltage	
Output filter	filter to AS-Interface specification	
Earth field monitoring (EFD)	no	yes
General data		
Guidelines	EN 60950-1, EN 61204-3, EN 55022 B	
Temperature range	0...+40 °C	
Mounting method	DIN-rail mounting to EN60715 (TH35)	
AS-Interface	unit appropriates AS-Interface specification for power supply (PELV)	
Weight	0.6 kg	
Dimensions H x B x T x TA ¹⁾	115 x 54 x 147 mm	115 x 54 x 147 x 16 ¹⁾ mm
Dimension drawing/Fixing centers		



¹⁾ TA = terminal depth

Notes

Mounting adapter for side mounting see page 4.9.2