POWER CONTROL SYSTEMS
POWER SUPPLY UNITS

MA362-RX-AC-HSR-V4

Railway Application
Multi output euro-rack AC-DC power supply unit

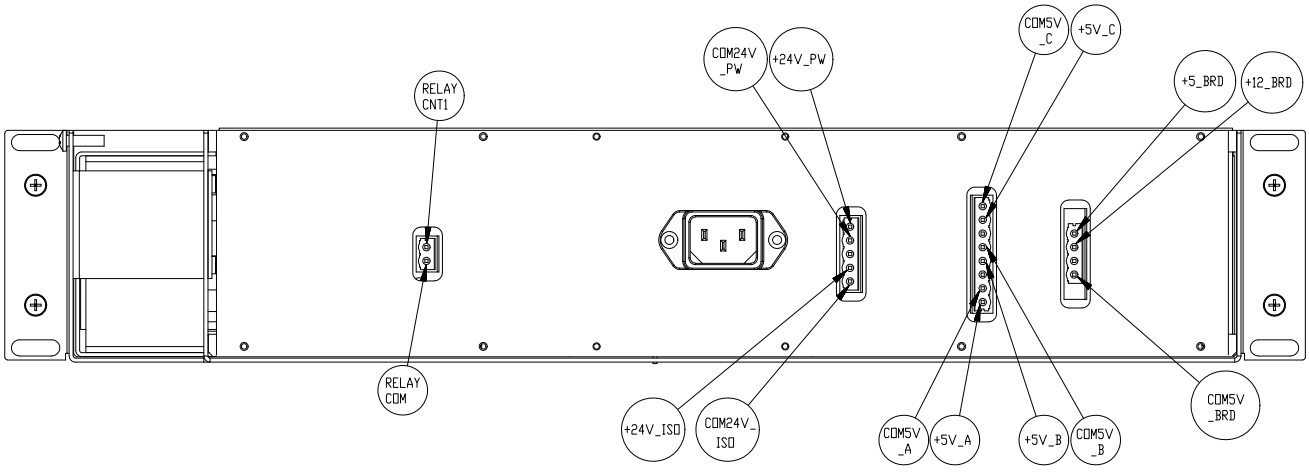
SPECIFICATION

Input voltage
115 -230 V
(90÷270Vac)
Input frequency
50/60 HZ
(47÷63 Hz)
Efficiency
83% (at 115Vac and Pnom)
85% (at 230Vac and Pnom)
Switching operating frequency
100 KHz
Power factor
0,9
Input protections
• Mains fuses
• Mains filter
• Start-up peak current limitation
See table for
• Output voltages and currents
• Line and load regulation
• Output ripple and noise
Output protections
• Short circuit on all outputs
• Overload on all outputs
• Overvoltage on all outputs
• Undervoltage alarm on all outputs
Hold up time
20 ms typ.
Output signals
• Free contact : closed when all Vout are OK
Operating indicators
• Seven green led
Operating temperature
-25° ÷ +70° C
Temperature power derating
from 50°C to 70°C =2%/°C
Temperature drift
0,01%/°C
Cooling
Natural convection
Dielectric withstand voltage
• Input - Output : 3000 Vac (only isolation components)
• Input - P.E. : 1750 Vac
• Outputs - P.E. : 1000 Vdc
• Outputs - Outputs : 1000 Vdc
• Relay - Outputs : 1000 Vdc
• Relay - P.E. : 1000 Vdc
Isolation
• Output - P.E. > 100 Mohm
Comply with
• EN 60950-1
• EN 50125-3
• EN 50129
• EN 50155
• EN 50124-1/A1/A2
• EN 50121-3-2
• EN 50121-4
Module features
• Hot swap capability
• Reduncance capability
Dimensions
• 2 modules in standard rack 2U 19"

FEATURES TABLE

COMMON	OUTPUT	Vout Volts	Iout Ampere	OVP Volts	UVP Volts	Line and Load regulation %	Ripple & Noise (0÷20MHZ) mVpp
COM5V_A	+5V_A	5.1	3	>= 6.2	4.5	±4	<100
COM5V_B	+5V_B	5.1	3	>= 6.2	4.5	±4	<100
COM5V_C	+5V_C	5.1	3	>= 6.2	4.5	±4	<100
COM5V_BRD	+5V_BRD	5.1	15	>= 6.2	4.5	±4	<100
COM5V_BRD	+12V_BRD	12	0.83	-	10.4	±2	<200
COM24V_ISO	+24V_ISO	24	1.25	>= 28	21.5	±2	<200
COM24V_PW	+24V_PW	24	8.3	>= 28	21.5	±2	<200

RACK VIEW

POWER SUPPLY VIEW

DIMENSIONS AND CONNECTIONS