Input/output simulator for easySafety ES4P with plug-in power supply unit

Part no.   **ES4A-221-DMX-SIM**
Article no.   **116953**

Delivery program

For use with		easySafety ES4P
Information relevant for export to North America		
UL/CSA certification not required		

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0

IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Meets the product standard's requirements.
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES		Meets the product standard's requirements.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9 Insulation properties		
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

PLC's (EG000024) / PLC simulation module (EC000238)	
Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / SPS simulation module (ecl@ss8.1-27-24-22-11 [AKE534011])	
Number of digital inputs	4
Number of digital outputs	12
Number of analogue inputs	0
Number of analogue outputs	0
With process simulation, hardware/software	No

Width		mm	108
Height		mm	90
Depth		mm	70

Approvals

North America Certification		UL/CSA certification not required

Characteristics

PU05907001Z safety manual	

Additional product information (links)

Instruction leaflet "easySafety ES4P safety relays" IL05013002Z-EN	
Instruction leaflet "easySafety ES4P safety relays" IL05013002Z-EN	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013002Z.pdf
Instruction leaflet "easySafety ES4P safety relays" IL05013002Z-EN	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013002Z2015_12.pdf
Instruction leaflet "easySafety ES4P safety relays" IL05013002Z-EN	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013002Z2016_02.pdf

Manual "easySafety ES4P control relays suitable for safety applications" MN05013001Z	
MN05013001Z Handbuch Sicherheitsgerichtetes Steuerrelais easySafety ES4P - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_DE.pdf
MN05013001Z Manual easySafety ES4P control relay suitable for safety applications - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_EN.pdf
MN05013001Z Manuel Module logique de sécurité easySafety ES4P - français	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_FR.pdf
MN05013001Z Manuale relè di comando relativo alla sicurezza easySafety ES4P - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_IT.pdf
Download easySoft-Safety	http://downloadcenter.moeller.net/de/software.1dabeb75-d41e-442a-b59c-a19bfdae66af
Labeleditor (Beschriftungssoftware)	http://downloadcenter.moeller.net/de/software.f6023a63-5acb-42c7-a51c-ccf99091cace

12/15/2016

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116953 - HPL-ED2016 V27.0 EN

2 / 2