



Expansion for DA1 variable frequency drives (3 REL)

Part no. DXA-EXT-3R0
Catalog No. 169121
Alternate Catalog No. DXA-EXT-3R0
EL-Nummer (Norway) 4137441

Delivery program

Subrange		Output expansion
Description		3 relay outputs (N/O, 250 V AC, max. 6 A/ 30 V DC, max. 5 A)
For use with		DA1
Connection technique		Plug-in module with plug-in terminal block, 5 pole

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-10
Operating ambient temperature max.	°C	50
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		
		Does not apply, since the entire switchgear needs to be evaluated.
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. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility		
		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		
		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

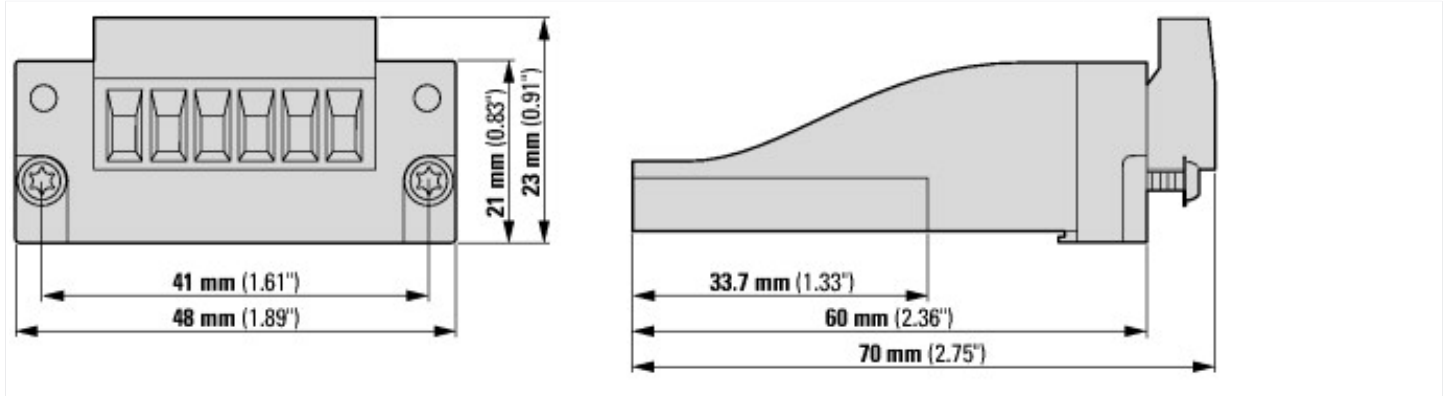
Low-voltage industrial components (EG000017) / Accessories for frequency controller (EC002025)		
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessory) (ecl@ss10.0.1-27-02-31-92 [AFR303003])		
Type of accessory		Other

Approvals

Product Standards		UL 508C; CSA-C22.2 No. 14; IEC/EN61800-3; IEC/EN61800-5; CE marking
UL File No.		E172143

UL Category Control No.		NMMS, NMMS7
CSA File No.		UL report applies to both US and Canada
North America Certification		UL listed, certified by UL for use in Canada
Specially designed for North America		No
Suitable for		Branch circuits
Max. Voltage Rating		250 VAC
Degree of Protection		IEC: IP00

Dimensions



Assets (links)

Declaration of CE Conformity

00003239

Instruction Leaflets

IL040006ZU2018_05

Manuals

MN04020005Z_EN (English)

Additional product information (links)

IL040006ZU I/O Expansion module for DA1: Relay modul

IL040006ZU I/O Expansion module for DA1: Relay modul ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL040006ZU2018_05.pdf

MN04020005Z DA1 variable frequency drives, Installation manual

MN04020005Z Frequenzumrichter DA1, Installationshandbuch - Deutsch ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_DE.pdf

MN04020005Z DA1 variable frequency drives, Installation manual - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_EN.pdf

MN04020005Z Convertitore di frequenza DA1, manuale Installazione - italiano ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04020005Z_IT.pdf

CA04020001Z-EN Product Range Catalog: Efficient Engineering for Starting and Controlling Motors http://www.eaton.eu/DE/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1095238.pdf