### **DATASHEET - DXA-EXT-3DI1RO**



## Expansion for DA1 variable frequency drives (3 DI, 1REL)

Powering Business Worldwide\*

Part no. DXA-EXT-3DI1RO Catalog No. 169036

**Alternate Catalog** 

Aiternate Cataii No. DXA-EXT-3DI1RO

NO.

**EL-Nummer** 4137440

(Norway)

# **Delivery program**

Subrange	I/O expansion
Description	3 digital inputs (+24 V) 1 relay output (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 blocks, 6 pole

# **Design verification as per IEC/EN 61439**

besign vermounds per 120,214 01405		
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])

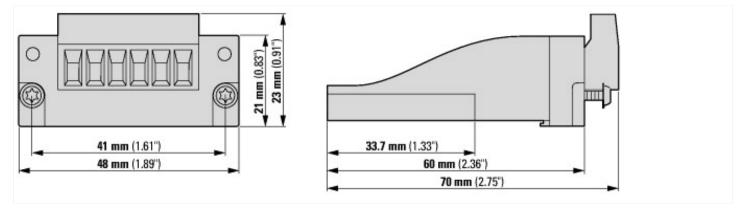
Type of accessory Other

# **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 V AC
Degree of Protection	IEC: IP00

# **Dimensions**



# **Assets (links)**

## **Declaration of CE Conformity**

00003239

### **Instruction Leaflets**

IL040007ZU2018\_05

### Manuals

MN04020005Z\_EN (English)

# **Additional product information (links)**

Auditional product informat	tion (mixs)		
IL040007ZU Expansion module for DA1: I/O module			
IL040007ZU Expansion module for DA1: I/O module	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL040007ZU2018_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		