

I/O expansion for DG1 variable frequency drives



**Part no.** DXG-EXT-6DI  
**744-A2616-00P**  
**EL Number** 4138121  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton DXG I/O expansion
Part no.		DXG-EXT-6DI
EAN		4015081721948
Product Length/Depth		45 millimetre
Product height		130 millimetre
Product width		105 millimetre
Product weight		0.05 kilogram
Compliances		CE
Product Tradename		DXG
Product Type		Accessory
Product Sub Type		I/O expansion
<b>General information</b>		
Accessory/spare part type		Extension module
Product Category		Accessories
<b>Climatic environmental conditions</b>		
Ambient operating temperature - max		50 °C
Ambient operating temperature - min		-10 °C
<b>Connection</b>		
Connection type		Plug-in connection
<b>Input/Output</b>		
Input		For 6 Digital inputs Input (electrically isolated, 240 V AC)
<b>Design verification</b>		
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 9.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for frequency controller (EC002025)		
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency converter (accessories) (ecl@ss13-27-02-31-92 [AFR303008])		
Type of accessory/spare part		Extension module
Accessory		Yes
Spare part		No