

I/O expansion with three dry relay contacts (2 N/O + 1 N/O / N/C) for DG1 variable frequency drives



**Part no.** DXG-EXT-3R0  
**744-A2614-00P**  
**EL Number** 4138117  
**(Norway)**

| General specifications   |  |  |
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| Product name   |  | Eaton DXG I/O expansion  |
| Part no.   |  | DXG-EXT-3R0  |
| EAN  |  | 4015081721924  |
| Product Length/Depth   |  | 45 millimetre  |
| Product height   |  | 130 millimetre   |
| Product width  |  | 105 millimetre   |
| Product weight   |  | 0.058 kilogram   |
| Compliances  |  | CE   |
| Product Tradename  |  | DXG  |
| Product Type   |  | Accessory  |
| Product Sub Type   |  | I/O expansion  |
| General information  |  |  |
| Accessory/spare part type  |  | Extension module   |
| Product Category   |  | Accessories  |
| Climatic environmental conditions  |  |  |
| Ambient operating temperature - max  |  | 50 °C  |
| Ambient operating temperature - min  |  | -10 °C   |
| Input/Output   |  |  |
| Output   |  | 3 Relay Outputs  |
| Design verification  |  |  |
| 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**

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|---|--|------------------|
| 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               |