DATASHEET - DXC-EXT-IO230

Expansion for DC1 variable frequency drives (230 V IN)

Part no. DXC-EXT-IO230
169033

EL Number (Norway) 4137437

General specifications	
Product name	Eaton DC1 Accessory coupling module
Part no.	DXC-EXT-IO230
EAN	4015081655267
Product Length/Depth	18 millimetre
Product height	41 millimetre
Product width	56 millimetre
Product weight	0.03 kilogram
Certifications	CE IEC/EN61800-5 UL UL File No.: E172143 CSA-C22.2 No. 14 UL 508C IEC/EN61800-3 UL report applies to both US and Canada Certified by UL for use in Canada UL Category Control No.: NMMS, NMMS7
Product Tradename	DC1
Product Type	Accessory
Product Sub Type	coupling module
General information	
Accessory/spare part type	Extension module
Connection	For connecting to the control signal terminals on the DC1
Degree of protection	IP00
Suitable for	Branch circuits, (UL/CSA)
Climatic environmental conditions	
Ambient operating temperature - min	-10 °C
Ambient operating temperature - max	50 °C
Main circuit	
Voltage rating - max	240 V
Control circuit	
Input	For 4 Digital inputs Input (electrically isolated, 230 V AC)
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

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

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