

# Specifications

## Eaton 172744

Eaton Moeller® series EMS Control cable connector; 5 Devices

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series EMS control cable connector
<b>CATALOG NUMBER</b>	172744
<b>MODEL CODE</b>	EMS-XCW-5
<b>EAN</b>	4015081693023
<b>PRODUCT LENGTH/DEPTH</b>	220 mm
<b>PRODUCT HEIGHT</b>	150 mm
<b>PRODUCT WIDTH</b>	160 mm
<b>PRODUCT WEIGHT</b>	0.03 kg
<b>COMPLIANCES</b>	CE
<b>CATALOG NOTES</b>	Conductor cross-section: 0.75 mm <sup>2</sup>

## Features & Functions

<b>NUMBER OF POLES</b>	Single-pole
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## Climatic environmental conditions

<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
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<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	60 °C
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## General

<b>ACCESSORY/SPARE PART TYPE</b>	Connecting cable
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<b>PRODUCT CATEGORY</b>	<ul style="list-style-type: none"><li>• Accessories</li><li>• Electronic motor starter</li></ul>
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<b>USED WITH</b>	5 devices can be connected
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## Design verification

<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0.023 W
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<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
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<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0.023 W
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<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0.6 A
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<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
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<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
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<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
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<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
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<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
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<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
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<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
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<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to
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	be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Resources

**APPLICATION NOTES** [eaton-motor-starter-ems2-setting-motor-protection-twincat3-ap034001-en-us.pdf](#)

**BROCHURES** [eaton-ems2-electronic-motorstarter-brochure-br034001en-en-us.pdf](#)

**DRAWINGS** [eaton-contactors-3d-drawing-015.eps](#)

**ECAD MODEL** [DA-CE-ETN.EMS-XCW-5](#)

**INSTALLATION INSTRUCTIONS** [IL03407198Z](#) [IL120002ZU](#)

**INSTALLATION VIDEOS** [Eaton's electronic motor starter EMS2](#)

**SALES NOTES** [eaton-ems2-electronic-motorstarter-flyer-fl034007en-en-us.pdf](#)

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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