

# Specifications



## Eaton 193888

Eaton Z-SCH Installation contactor,  
24VAC/50Hz, 1N/O+1N/C, 25A

### General specifications

<b>PRODUCT NAME</b>	Eaton Z-SCH contactor
<b>CATALOG NUMBER</b>	193888
<b>MODEL CODE</b>	Z-SCH24/1/25-11
<b>EAN</b>	9010238040311
<b>PRODUCT LENGTH/DEPTH</b>	85 mm
<b>PRODUCT HEIGHT</b>	65 mm
<b>PRODUCT WIDTH</b>	17.7 mm
<b>PRODUCT WEIGHT</b>	0.14 kg
<b>COMPLIANCES</b>	RoHS conform
<b>GLOBAL CATALOG</b>	193888



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## Product specifications

<b>AMPERAGE RATING</b>	25 A
<b>FEATURES</b>	Additional equipment possible
<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.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.

## Resources

<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-contactor-declaration-of-conformity-eu250188en.pdf</a>
<b>DRAWINGS</b>	<a href="#">eaton-wiring-diagram-z-sch-klem-bez4.jpg</a> <a href="#">eaton-dimensions-ma-sch40.jpg</a>
<b>MCAD MODEL</b>	<a href="#">eaton-installation-contactor-3d-models-z-r20-1mu.stp</a> <a href="#">eaton-installation-contactor-drawings-z-r20-1mu.dwg</a>

<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>DEGREE OF PROTECTION</b>	IP20
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT</b>	4.2 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT</b>	3 W
<b>INCANDESCENT LAMP LOAD - MAX</b>	3000 W
<b>LOAD FLUORESCENT LAMP - MAX</b>	1160 VA
<b>LOAD FLUORESCENT LAMP (DUO CIRCUIT) - MAX</b>	2552 VA
<b>LOAD FLUORESCENT LAMP (PARALLEL COMPENSATED) - MAX</b>	1044 VA
<b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>	1
<b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>	1
<b>NUMBER OF MODULAR SPACINGS</b>	1

<b>RATED OPERATING VOLTAGE (UE) - MAX</b>	440 V
<b>RATED OPERATING VOLTAGE (UE) - MIN</b>	440 V
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	25 A
<b>UTILITY CATEGORY</b>	1
<b>VOLTAGE RATING (EXCITATION) - MAX</b>	26.4 V
<b>VOLTAGE RATING (EXCITATION) - MIN</b>	20.4 V
<b>BUILT-IN DEPTH</b>	60 mm
<b>VOLTAGE TYPE</b>	AC
<b>UTILIZATION CATEGORY (ACCORDING TO EN IEC 60947-4-1)</b>	AC-1

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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