Specifications



Eaton 193886

Eaton Z-SCH Installation contactor, 230VAC/50Hz, 1N/O+1N/C, 25A

General specifications	
PRODUCT NAME	Eaton Z-SCH contactor
CATALOG NUMBER	193886
MODEL CODE	Z-SCH230/1/25-11
EAN	9010238040090
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	65 mm
PRODUCT WIDTH	17.7 mm
PRODUCT WEIGHT	0.14 kg
COMPLIANCES	RoHS conform

Additional information

FEATURES	Additional equipment possible

Delivery program

AMPERAGE RATING	25 A

Design verification as per IEC/EN 61439

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.
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.

Design verification as per IEC/EN 61439 - technical data

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	4.2 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	3 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	25 A

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.

Technical data - electrical

INCANDESCENT LAMP LOAD - MAX	3000 W
LOAD FLUORESCENT LAMP - MAX	1160 VA
LOAD FLUORESCENT LAMP (DUO CIRCUIT) - MAX	2552 VA
LOAD FLUORESCENT LAMP (PARALLEL COMPENSATED) - MAX	1044 VA
RATED OPERATING VOLTAGE (UE) - MAX	440 V
RATED OPERATING VOLTAGE (UE) - MIN	440 V
VOLTAGE RATING (EXCITATION) - MAX	253 V
VOLTAGE RATING (EXCITATION) - MIN	195.5 V
VOLTAGE TYPE	AC

Technical data - mechanical

BUILT-IN DEPTH	60 mm
DEGREE OF PROTECTION	IP20
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF MODULAR SPACINGS	1
UTILITY CATEGORY	1
UTILIZATION CATEGORY (ACCORDING TO EN IEC 60947-4-1)	AC-1

Resources

CATALOGUES	eaton-xpole-accessories-ca019015en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-contactor-declaration-of-conformity-eu250188en.pdf
INSTALLATION VIDEOS	Eaton Z-SCH and CMUC DIN-rail installation contactors unboxing
MCAD MODEL	eaton-installation-contactor-mcad-drawings-z-r20-1mu.dwg eaton-installation-contactor-mcad-3d-models-z-r20-1mu.stp

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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