

Specifications

Eaton 176469

Eaton CR Installation contactor, 20A, 24V
AC/DC, 2NC



General specifications	
PRODUCT NAME	Eaton CR contactor
CATALOG NUMBER	176469
EAN	8711426209701
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	65 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.137 kg
COMPLIANCES	RoHS conform
MODEL CODE	CR2002024

Delivery program

AMPERAGE RATING	20 A
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Technical data - electrical

VOLTAGE TYPE	AC
VOLTAGE RATING (EXCITATION) - MIN	20.4 V
VOLTAGE RATING (EXCITATION) - MAX	26.4 V
RATED OPERATING VOLTAGE (UE) - MIN	400 V
RATED OPERATING VOLTAGE (UE) - MAX	400 V
INCANDESCENT LAMP LOAD - MAX	1950 W
LOAD FLUORESCENT LAMP - MAX	910 VA
LOAD FLUORESCENT LAMP (DUO CIRCUIT) - MAX	1160 VA
LOAD FLUORESCENT LAMP (PARALLEL COMPENSATED) - MAX	232 VA

Technical data - mechanical

DEGREE OF PROTECTION	IP20
BUILT-IN DEPTH	60 mm
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0
NUMBER OF MODULAR SPACINGS	1
UTILIZATION CATEGORY (ACCORDING TO EN IEC 60947-4-1)	AC-1
UTILITY CATEGORY	1

Design verification as per IEC/EN 61439 - technical data

EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT	2.1 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	20 A
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT	1.7 W

Design verification as per IEC/EN 61439

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	Is the panel builder's responsibility.

Additional information

FEATURES	Additional equipment possible
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INSULATING MATERIAL

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.

Resources

DECLARATIONS OF CONFORMITY

[DA-DC-03_CR](#)
[03_CR_131119](#)

DRAWINGS

[eaton-dimensions-mas-cr.jpg](#)
[eaton-wiring-diagram-cr-2nc.jpg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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