



**Installation contactor, 20A, 12V AC/DC, 2NC**

**Part no. CR2002012  
193907**

<b>General specifications</b>		
Product name		Eaton Distribution parts
Part no.		CR2002012
EAN		9010238040816
Product Length/Depth		85 millimetre
Product height		65 millimetre
Product width		17.5 millimetre
Product weight		0.13 kilogram
Compliances		RoHS conform
Product Tradename		None
Product Type		Distribution parts
Product Sub Type		None
Public Consumption		Yes
PDH Status		Active
Product Family Description		ES-PMCC-PDC-Eaton Distribution parts
Globally Marketable		Yes
<b>Product Specification Details</b>		
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.
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.
Amperage Rating		20 A
Built-in depth		60 mm
Degree of protection		IP20
Equipment heat dissipation, current-dependent		2.1 W
Features		Additional equipment possible
Heat dissipation per pole, current-dependent		1.7 W
Incandescent lamp load - max		1950 W
Load fluorescent lamp (duo circuit) - max		1160 V-A

Load fluorescent lamp (parallel compensated) - max		232 V-A
Load fluorescent lamp - max		910 V-A
Number of contacts (normally closed contacts)		2
Number of contacts (normally open contacts)		0
Number of modular spacings		1
Rated operating voltage (Ue) - max		400 V
Rated operating voltage (Ue) - min		400 V
Rated operational current for specified heat dissipation (In)		20 A
Utility category		1
Utilization category (according to EN IEC 60947-4-1)		AC-1
Voltage rating (excitation) - max		13.2 V
Voltage rating (excitation) - min		10.2 V
Voltage type		AC/DC

## Technical data ETIM 9.0

Devices for distribution board-/surface mounting (EG000062) / Installation contactor for distribution board (EC001653)		
Electric engineering, automation, process control engineering / Electrical installation, device / Modular serial built-in device for electrical circuit distributors / Installation contactor for distribution board (ecl@ss13-27-14-23-08 [AFZ820020])		
Rated operating voltage	V	400 - 400
Rated operation current	A	20
Utilization category according to EN IEC 60947-4-1		AC-1
Rated excitation voltage	V	10.2 - 13.2
Voltage type (operating voltage)		AC/DC
Voltage type (excitation voltage)		AC/DC
Number of contacts as normally open contact		0
Number of contacts as normally closed contact		2
Max. incandescent lamp load	W	1950
Max. load fluorescent lamp	VA	910
Max. load fluorescent lamp (Duo circuit)	VA	1160
Max. load fluorescent lamp (parallel compensated)	VA	232
Slider for hand switch		No
Width in number of modular spacings		1
Built-in depth	mm	60
Additional equipment possible		Yes
With day/night function		No
Hum-free		No
Degree of protection (IP)		IP20