

# Specification Checklist



**Allen-Bradley**

## CENTERLINE 2100 Motor Control Centers

Use this checklist to help you configure your CENTERLINE® 2100 Motor Control Center. You can type in the fields provided and check the checkboxes to select your preferences. When you have completed the form, click Submit at the end of the document. If unable to submit, save the PDF to your computer and attach in an email.

Customer		User	
Prepared By		Office	
<b>Standards</b>			
<input type="checkbox"/> UL	<input type="checkbox"/> NEMA	<input type="checkbox"/> ICS Specification No. _____	
<input type="checkbox"/> CSA (cUL)	<input type="checkbox"/> Service entrance	<input type="checkbox"/> Other _____	
<b>Incoming Power</b>			
Line Volts	<input type="checkbox"/> 208V at 60 Hz <input type="checkbox"/> 240V at 60 Hz	<input type="checkbox"/> 380V at 50 Hz <input type="checkbox"/> 400V at 50 Hz <input type="checkbox"/> 415V at 50 Hz	<input type="checkbox"/> 480V at 60 Hz <input type="checkbox"/> 600V at 60 Hz <input type="checkbox"/> Other _____
Power	<input type="checkbox"/> 3-phase 3-wire, ungrounded	<input type="checkbox"/> 3-phase 3-wire with solidly grounded neutral	<input type="checkbox"/> 3-phase 3-wire with impedance grounded neutral <input type="checkbox"/> 3-phase 4-wire with solidly grounded neutral
Power system configuration	<input type="checkbox"/> Wye	<input type="checkbox"/> Delta	<input type="checkbox"/> Other _____
Available fault current _____ kA			
<b>Structure</b>			
NEMA Type	<input type="checkbox"/> Type 1 <input type="checkbox"/> Type 12 <input type="checkbox"/> Type 4 (stainless steel only)	<input type="checkbox"/> Type 1 with gasket <input type="checkbox"/> Type 3R non-walk-in <input type="checkbox"/> 12 in. pullbox	<input type="checkbox"/> Drip hood <input type="checkbox"/> Bottom plates <input type="checkbox"/> Other _____
Depth	<input type="checkbox"/> Front only <input type="checkbox"/> Back-to-back	<input type="checkbox"/> 15 in. (381 mm) <input type="checkbox"/> 30 in. (762 mm)	<input type="checkbox"/> 20 in. (508 mm) <input type="checkbox"/> 40 in. (1016 mm)
Options	<input type="checkbox"/> Space heater with thermostat <input type="checkbox"/> 9 in. vertical wireway <input type="checkbox"/> Master nameplate	<input type="checkbox"/> Corner section <input type="checkbox"/> External mounting angles <input type="checkbox"/> Special paint (describe) _____ <input type="checkbox"/> Other _____	



Allen-Bradley • Rockwell Software

**Rockwell Automation**

**IntelliCENTER**

IntelliCENTER® Technology (embedded network and preconfigured software)

- Integrated DeviceNet network + preconfigured software

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- Integrated EtherNet/IP network + preconfigured software

  - Stratix5700™ switch mounting
    - Unit-mounted switches
    - Horizontal wireway-mounted switches

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  - Ethernet cabling method
    - Homerun (direct switch-to-device)
    - Vertical wireway adapters

IntelliCENTER Technology (embedded network only)

- Integrated DeviceNet network

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- Integrated EtherNet/IP network

  - Stratix5700™ switch mounting
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  - Ethernet cabling method
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**ArcShield™**

- Yes
- No

**SecureConnect™**

- All units
- Contactor starters only
- Drives only
- Soft starters only
- Feeders only

**Bus**

Power Bus Bracing (amperes rms symmetrical)
  42 kA (std)
  65 kA
  100 kA
  100 kA series coordinated

Horizontal Power Bus

Material
  Aluminum (600 A and 800 A only)
  Copper

Rating:
  600 A
  800 A
  1200 A
  1600 A
  2000 A
  2500 A
  3000 A

Plating
  Tin
  Silver (copper bus only)

Vertical Power Bus
  300 A (600 A effective)
  600 A (1200 A effective)

Ground Bus

Horizontal ground bus
  1/4 in. x 1 in. (6.25 x 25 mm)
  Top mounted
  Top and bottom mounted

1/4 in. x 2 in. (6.25 x 50 mm)
  Bottom mounted

Vertical ground bus
  Plug-in
  Steel (standard)
  Copper

Load
  Copper

Plating
  Unplated copper
  Tin-plated copper

**IMPORTANT:** The vertical ground bus is unplated or tin-plated to match the horizontal ground bus.

Neutral Bus

Full rated
  All sections
  Main and adjacent \_\_\_ 1, \_\_\_ 2, \_\_\_ 3 sections

Half rated
  Main section only

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Termination plate only, no bus (400 A and smaller mains only)

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Neutral loads \_\_\_ No \_\_\_ Yes, Specify \_\_\_\_\_
  Number of loads \_\_\_\_\_

**Bus - continued**

Neutral Load Connection Options (select one)  Vertical neutral bus (requires horizontal neutral bus and 9 in. vertical wireway)

Rating:  200 A  300 A  600 A

In section:  All sections  Sections \_\_\_\_\_

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Neutral connection plate

In horizontal wireway:  Top  Bottom

In section:  All sections  Sections \_\_\_\_\_

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Options

Stab openings  Manual shutters  Automatic shutters  Protective caps

Unit isolating barriers (nylon barriers in vertical wireway to unit openings)  NO-OX-ID compound

Other \_\_\_\_\_

**Incoming Line Termination**

Main Lug (MLO) Located in section No. \_\_\_\_\_  Top  Bottom

No. of cables per phase \_\_\_\_\_ Cable size \_\_\_\_\_  Copper  Aluminum

Lugs by others  Mechanical lugs  Crimp compression lugs

Notes \_\_\_\_\_

Main Circuit Breaker (MCB) Located in section No. \_\_\_\_\_  Top  Bottom

No. of cables per phase \_\_\_\_\_ Cable size \_\_\_\_\_

Ampere rating, frame \_\_\_\_\_ Ampere rating, trip \_\_\_\_\_

Interrupting rating at 480V  < 35 kA  35...65 kA  > 65 kA

Internal ground fault protection  Shunt trip

Auxiliary contacts (Qty.) \_\_\_\_\_ N.O. \_\_\_\_\_ N.C.  Other options \_\_\_\_\_

Main Fusible Disconnect (MFD) Located in section No. \_\_\_\_\_  Top  Bottom

No. of cables per phase \_\_\_\_\_ Cable size \_\_\_\_\_

Ampere rating \_\_\_\_\_ Fuse class \_\_\_\_\_ Fuse rating \_\_\_\_\_

Auxiliary contacts - Qty. \_\_\_\_\_ N.O. \_\_\_\_\_ N.C.  Other options \_\_\_\_\_

Fuses:  Factory supplied and installed  Supplied and installed by others

**Plug-in Metering Unit**

Metering Options

No. of current transformers required \_\_\_\_\_

No. of potential transformers required \_\_\_\_\_

Ammeter  Ammeter switch

Voltmeter  Voltmeter switch

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PowerMonitor™ 5000  1426-M5  1426-M6

Communication options:  DeviceNet  EtherNet/IP

Withdrawable power stabs with door closed (SecureConnect)

**Feeder Units**

Fused Switch Fuse clip class  Class CC  Class J  Class R  Class H  Class L  
 Dual mounted (30 A, 60 A, 100 A only)  0.5 Space factor (30 A only, Class CC or J)  
 Fuse rating \_\_\_\_\_  Factory supplied and installed  Supplied and Installed by others  
 Withdrawable power stabs with door closed (SecureConnect)  
 Other options \_\_\_\_\_

Circuit Breaker (thermal magnetic) Interrupting rating \_\_\_\_\_ Ampere rating, frame \_\_\_\_\_ Ampere rating, trip \_\_\_\_\_  
 Dual mounted (125 A frame only, 100 A trip max)  0.5 Space factor (125 A or 250 A frame only, 225 A trip max)  
 Withdrawable power stabs with door closed (SecureConnect)  
 Other Options \_\_\_\_\_

**Combination Contactor/Starter Units**

Wiring NEMA wiring class  I  IS  II  IIS  
 NEMA wiring type  A  B-T  B-D  C  
 Contactor/Starter Types  FVLC  FVNR  FVR  TS1W  TS2W  
 Other \_\_\_\_\_

Disconnecting Means - Fusible Fuse clip class  Class CC  Class J  Class R  Class H  Class HRCII-C  Class L  
 Fuses  Factory supplied and installed  Supplied and installed by others

Disconnecting Means - Circuit Breaker  Motor circuit protector (magnetic/instantaneous only)  Circuit breaker (thermal-magnetic/inverse-time)  
 Accessories \_\_\_\_\_

Overload Relays  Standard melting alloy type  Electronic  E1 Plus™  E3™  E3 Plus™  E300™  
 Heater elements  Factory supplied and shipped loose  Supplied by others  
 N.O. alarm contact required  Yes  No

**Combination Contactor/Starter Units - continued**

Unit Nameplate  None, screws only  Cardholder  Engraved acrylic  Engraved phenolic

Colors:  Black letters on white  White letters on black  White letters on red (phenolic only)

Starter Options  Separate control \_\_\_\_ Volts  Common (line voltage) control

Transformer control

Control circuit transformer (fused primary and secondary) in each unit

Standard VA

Extra capacity VA

Master control power transformer (fused secondary)

Starter auxiliary contacts - Qty. \_\_\_\_ N.O. \_\_\_\_ N.C.

Pilot devices

Push buttons, describe function (such as start/stop) \_\_\_\_\_

Selector switches, describe function (such as off-on, hand-off-auto) \_\_\_\_\_

Pilot lights

Incandescent - Qty. \_\_\_\_\_, Colors \_\_\_\_\_

LED - Qty. \_\_\_\_\_, Colors \_\_\_\_\_

Pushtotest

Relays or timers, describe \_\_\_\_\_

Withdrawable power stabs with door closed (SecureConnect)

Others, describe \_\_\_\_\_

**Other Unit / Apparatus**

Lighting Transformer Describe \_\_\_\_\_

Panelboard

Voltage \_\_\_\_\_

Phase \_\_\_\_\_

Main lug

IC rating \_\_\_\_\_

Wire \_\_\_\_\_

Main breaker

Quantity and pole configuration \_\_\_\_\_

Soft Starters  
(only Inverse Time Breakers available, fusing required)

SMC™-3

SMC Flex

Describe \_\_\_\_\_

Drives  
(only Inverse Time Breakers available, fusing optional)

PowerFlex® 523

PowerFlex 40

PowerFlex 753

PowerFlex 70

PowerFlex 525

PowerFlex 755

PowerFlex 700/700H

Programmable Controllers

ControlLogix®

PLC 1771

CompactLogix™

No. of slots \_\_\_\_\_

Power supply \_\_\_\_\_

Describe \_\_\_\_\_

