

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 that are provided and check the checkboxes to select your preferences. When you have completed the form, click Submit at the end of the document and send the form to your local solution consultant.

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



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Rockwell Automation

IntelliCENTER

IntelliCENTER® Technology (embedded network and preconfigured software)

- Integrated DeviceNet® network + preconfigured software
 - Integrated EtherNet/IP™ network + preconfigured software
-
- Stratix® 5700 switch mounting
- Unit-mounted switches
 - Horizontal wireway-mounted switches
-
- Ethernet cabling method
- Homerun (direct switch-to-device)
 - Vertical wireway adapters

IntelliCENTER Technology (embedded network only)

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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
-
- Plating
- Tin
 - Silver (copper bus only)
-
- Rating
- 600 A
 - 800 A
 - 1200 A
 - 1600 A
 - 2000 A
 - 2500 A
 - 3000 A
-
- Insulation
- Yes
 - No
-
- 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
-
- Termination plate only, no bus (400 A and smaller mains only)
-
- 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 _____

Neutral connection plate

In horizontal wireway: Top Bottom

In section: All sections Sections _____

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

PowerMonitor™ 5000

Communication options:
 DeviceNet
 EtherNet/IP

Unit options:
 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) (not available on 0.5 SF, horizontal handle, or dual-mounted units)
 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 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 E1 Plus™ E300™
 Communication type Ethernet DeviceNet None
 N.O. alarm contact required Yes No

Combination Contactor/Starter Units - continued

Unit Nameplate None, screws only Cardholder Engraved acrylic lamacoid Other _____

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 (120V AC)
 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 _____

Push-to-Test

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 70 PowerFlex 753

PowerFlex 525 PowerFlex 755

Programmable Controllers ControlLogix® PLC 1771 CompactLogix™

No. of slots _____ Power supply _____ Describe _____

