

# CENTERLINE<sup>®</sup> 2500 Motor Control Center Specification Checklist

Check boxes and fill in blanks as required.

<b>Customer</b>		<b>User</b>	
<b>Prepared By</b>		<b>Office</b>	
<b>Standards and Certifications</b>			
<input type="checkbox"/> CE	<input type="checkbox"/> KEMA	<input type="checkbox"/> Other _____	
<input type="checkbox"/> CCC			
<b>Incoming Power</b>			
Line Voltage:	<input type="checkbox"/> 380V	<input type="checkbox"/> 400V	<input type="checkbox"/> 415V
	<input type="checkbox"/> 440V	<input type="checkbox"/> 480V	<input type="checkbox"/> 600V
	<input type="checkbox"/> 690V		
System Power:	<input type="checkbox"/> 3-phase 3-wire		<input type="checkbox"/> 3-phase 4-wire
Frequency:	<input type="checkbox"/> 50 Hz		<input type="checkbox"/> 60 Hz
Available Fault Current:	_____ kA		
<b>Structure</b>			
Enclosure Rating:	<input type="checkbox"/> IP 20 (vented doors)	<input type="checkbox"/> IP 42 (non-vented, standard)	
	<input type="checkbox"/> IP 30 (vented doors with filters)	<input type="checkbox"/> IP 54 (fully gasketed, doors and bottom plates)	
Forms of Internal Separation:	<input type="checkbox"/> 3b (standard)	<input type="checkbox"/> 4b	
Mounting Configuration:	<input type="checkbox"/> Front Only	<input type="checkbox"/> Double-Front	
Depth:	<input type="checkbox"/> 600 mm	<input type="checkbox"/> 800 mm	
Width:	<input type="checkbox"/> 700 mm (200 mm vertical wireway, standard)	<input type="checkbox"/> 900 mm (400 mm vertical wireway)	
	<input type="checkbox"/> 800 mm (300 mm vertical wireway)	<input type="checkbox"/> 1000 mm (500 mm vertical wireway)	
Options:	<input type="checkbox"/> Space Heater w/ Thermostat	<input type="checkbox"/> Rear Door with 3-point latch	<input type="checkbox"/> Arc Containment Latches
	<input type="checkbox"/> Cable Supports	<input type="checkbox"/> Other _____	
Paint:	<input type="checkbox"/> RAL7032 Pebble Grey (standard)	<input type="checkbox"/> Munsell 6.5	<input type="checkbox"/> Other (describe) _____
<b>IntelliCENTER<sup>®</sup> Technology</b>			
<input type="checkbox"/> DeviceNet Cabling			
<input type="checkbox"/> DeviceNet Cabling with IntelliCENTER Software			
<b>Bus</b>			
Fault Rating/Bracing:	<input type="checkbox"/> 50kA for 3 cycles (standard)	<input type="checkbox"/> 50kA for 1s	
	<input type="checkbox"/> 80kA for 1s (horizontal only)	<input type="checkbox"/> 65kA for 3 cycles	<input type="checkbox"/> 50kA for 3s (horizontal only)
Horizontal Power Bus:	Rating	<input type="checkbox"/> 800A (standard)	<input type="checkbox"/> 1600A
		<input type="checkbox"/> 1250A	<input type="checkbox"/> 2000A
		<input type="checkbox"/> 2500A	<input type="checkbox"/> 4000A
		<input type="checkbox"/> 3200A	
	Material	<input type="checkbox"/> Copper	<input type="checkbox"/> Copper, Tin Plated
Neutral Bus:	<input type="checkbox"/> Full-Rated		<input type="checkbox"/> Half-Rated

## Bus (continued)

Vertical Distribution Bus: Rating  300A (provides 600A capacity, standard)  600A (provides 1200A capacity)

Material  Copper, Tin Plated

Horizontal Location  Bottom (standard)  Top

Protective Earth Conductor (PE): Material  Copper, Unplated  Copper, Tin Plated

Size  1 - 6 x 50 mm  2 - 6 x 50 mm  3 - 6 x 50 mm

Vertical (Plug-in)  Copper, Unplated  Copper, Tin Plated

Stab Openings  Automatic Shutters (standard)  Manual Shutters  Open

## Incoming Line Termination / Provision

Ampere Rating \_\_\_\_\_ A

Located in Column No. \_\_\_\_\_  Top  Bottom

No. of Cables per Phase \_\_\_\_\_ Cable Size \_\_\_\_\_

Main Lug Only (MLO):  Crimp Compression  Mechanical Lugs  Lugs Not Supplied

Main Fusible Disconnect (MFD): Fuse Type \_\_\_\_\_  Fuses Not Supplied Options \_\_\_\_\_

Main Circuit Breaker (MCB):  Ground Fault  Shunt Trip  
 Auxiliary Contacts, Qty \_\_\_\_\_ Other \_\_\_\_\_

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

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

Incoming Metering Options:  Analog Ammeter  Ammeter Switch  
 Analog Voltmeter  Voltmeter Switch  
 Powermonitor 3000  Digital Volt/Ammeter  
 1405-M5 1405-M610  
 1405-M6

## Feeder Units

Fuse Switch:  DIN NH  INT J/L  BS-88  French Ferrule  Fuses Not Supplied  
Other Options \_\_\_\_\_

Circuit Breaker (thermal magnetic): Interrupting Rating \_\_\_\_\_ kA Ampere Rating \_\_\_\_\_ A  
Other \_\_\_\_\_

## Nameplates

Cardholder  Engraved Phenolic

Unit Nameplates: Color Scheme -  Black letters on white  White letters on black  
 White letters on red (phenolic only)

**Across-the-Line Contactor and Starter Units (copy and complete for individual units as needed)**

Unit Type  Non-Reversing Starter  Reversing Starter  Contactor  Star/Delta (Wye/Delta)

Two-Speed, One Winding  Two-Speed, Two Winding

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Withstand \_\_\_\_\_ kA Ampere Rating \_\_\_\_\_ A kilowatt Rating \_\_\_\_\_ kW

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Disconnecting Means:  Circuit Breaker  Rotary Operator  Flange Operator (4 Module Minimum)

Fused (Rotary Operator)

DIN NH  BS-88  INT J/L  French Ferrule  Fuses Not Supplied

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Type  E1 Plus  E3 Plus

Overload:  E1 Plus with DeviceNet Module  
 E1 Plus with Jam Module  
 E1 Plus with Ground Fault Module

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Reset  External

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Duty Rating:  AC3 (standard)  AC4

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Protection:  Type 1  Type 2

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Unit Type:  Withdrawable  Semi-Withdrawable  Fixed

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Voltage  24 VDC  110 VAC  115 VAC  120 VAC  220 VAC  230 VAC  240 VAC

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Control Power:  Individual Control Transformer

Source  Standard VA  Extra Capacity VA

Common Control Power Transformer

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Starter Auxiliary Contacts

Normally Open - Qty. \_\_\_\_\_ Normally Closed - Qty. \_\_\_\_\_

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Options:  Pilot Devices  Pushbuttons \_\_\_\_\_

Selector Switches

Pilot lights - Qty. \_\_\_\_\_, Color(s) \_\_\_\_\_

Transformer Type  Push-to-test  Other

Relays or Timers, Describe \_\_\_\_\_

Others - Describe \_\_\_\_\_

**Soft Starter Units (copy and complete for individual units as needed)**

Unit Type:  SMC-3  SMC-Flex

Describe \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

