

Analyzers, Integration & Services for Process Industries

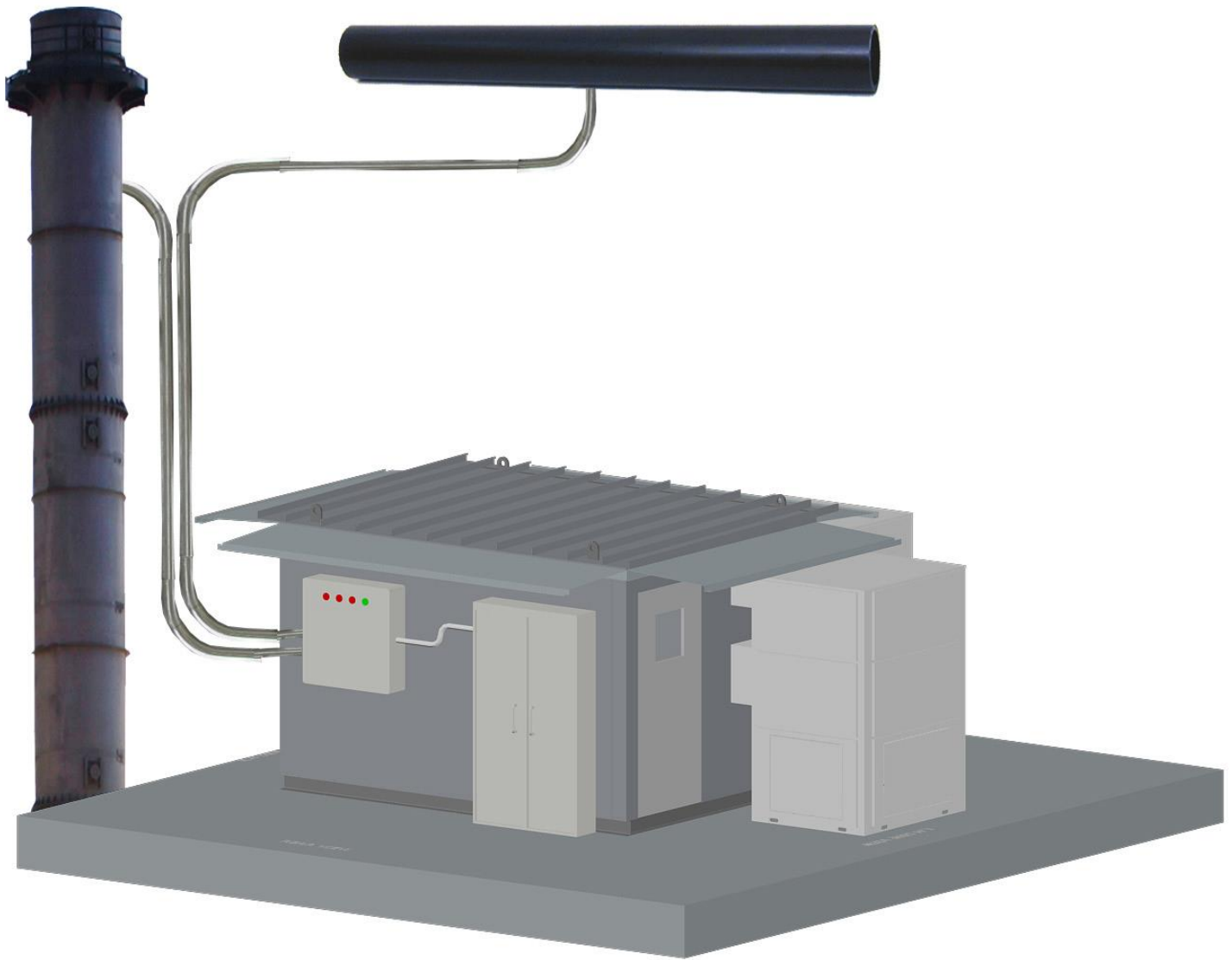


CHEMIN provides complete integration of analyzer systems includes all related services, starting from its initial engineering design through the manufacturing, erection, testing process and the start-up in its final location.

Complete integration of analyzer systems are fully equipped with:

- »» Fully insulated sandwich construction.
- »» Heating Ventilating and Air Conditioning System
- »» Power distribution systems.
- »» Lighting, Termination and Junction Boxes.
- »» Safety Interlock & Control and Gas detection Systems.
- »» On-line Analysers such as: Gas chromatographs, Physical property analyser, Liquid Analysers.
- »» Utilities headers, relevant piping and wiring.
- »» Independent control systems, Electronic or hard wired control.
- »» Remote Real-Time Monitoring and Diagnostics

Model of N20 & N50 Enclosure with panels Supplied to Praxair, Bangalore



Scope of Supply of N20 'Enclosure' with B,BA,PDB Panel (CCP & DP) Supplied to Praxair, Bangalore

S.No	Enclosure Descriptions	Make
1	24" x 24" x 0.25" Safety glass window	Reputed
2	24" x 24" x 1" Thick High density wood core	Reputed
3	3 KVA UPS System	E& C power systems
4	3" Fiber Glass Insulation	Reputed
5	Air Conditioner with thermostat	Bluestar
6	ATM Alarm horn	Minilec

7	Door 2200 x 1000	Chemin
8	Door Panic Hardware	Reputed
9	Door Stopper	Reputed
10	Emergency Light	Reputed
11	Exit Light	Reputed
12	Fire Alarm Beacon	Reputed
13	Grounding Lug (M10 Size Bolt)	Reputed
14	Lamp - C1	Anchor/HPL
15	Light	Anchor/HPL
16	Light Switch	Kaycee
17	Network Receptacle	MDS
18	Non UPS Receptacle	MDS
19	Phone Receptacle	D-Link
20	Rain water drain pipe	Reputed
21	Red Beacon	Reputed
22	Smoke Detector	Reputed
23	UPS Receptacle	MDS
24	Vent Fan	Almonard
S.No	B Panel Descriptions	Make
1	11 pin Base for A/B 700HA	Allen-Bradley
2	19" Rack Panel	Chemin
3	24VDC Power Supply	Moore Industries
4	Ack Push button	Allen-Bradley/Teknic/Siemens
5	Angle Ball Valve - 2 Way	Whitey/HP Valves/Excel Hydro
6	Atm Monitor system	Honeywell
7	Audible device	Allen-Bradley
8	Ball Valve - 3 Way	Whitey/HP Valves/Excel Hydro
9	Ball Valve - 3 Way (Air Actuated)	Whitey/HP Valves/Excel Hydro
10	Bulkhead Union - 1/2" OD	Swagelok
11	Bulkhead Union - 1/4" OD	Swagelok
12	Check Valve	Swagelok
13	CO2 Analyzer	Praxiar Standard
14	Control Relay	Allen-Bradley/L&T/Siemens
15	Filter	Swagelok
16	Flow Meter - 0.8 SCFH	ABB
17	Flow Meter - 15 SCFH	ABB
18	Grounding Bar kit	Reputed
19	Momentary Push Button	Allen-Bradley/Teknic
20	Needle Valve	Swagelok
21	Pressure Indicator	Swagelok
22	Pressure regulator	Porter Instrument

23	Receptacle - Single	Hubbel/BCH/MDS
24	Relief Valve - 10 psig	Generant
25	Relief Valve - 50 psig	Generant
26	Relief Valve - 8 psig	Generant
27	Reset Timer	Allen-Bradley/L&T/Siemens
28	Selector Switch	Allen-Bradley/L&T/Siemens
29	Solenoid Valve - 3 Way	Rotex/Awcon
30	SS Tube - 1/2" OD	Swagelok
31	SS Tube - 1/4" OD	Swagelok
32	St. Ball Valve – 3 Way	Whitey/HP Valves/Excel Hydro
33	Tee - 1/4" OD	Swagelok
34	Terminal & Fuse Blocks	Wago
35	Test Push button	Allen-Bradley/L&T/Siemens
36	Trace O2 Analyzer	Praxiar Standard
S.No	BA Panel Descriptions	Make
1	11 PIN Base for A/B 700 HA	Allen-Bradley
2	8 PIN Base for A/B 700 HA	Allen-Bradley
3	Auto Dialer	Global Monitoring, LLC
4	BA Panel	Chemin
5	Control Relay - 2PDT	Allen-Bradley
6	Control Relay - 3PDT	Allen-Bradley
7	Control Relay - 8 Convertible	Allen-Bradley
8	Controller - AB Equipment	Praxiar Standard
9	Distribution Block	Feraz Shawmut
10	Door Activated Switch	Hoffman/Kaycee
11	Elec. Enclosure	Chemin
12	Exhaust Grill	Hoffman
13	Fluorescent Light - 24"	Lithonia/Kaycee
14	Fuse	Buss/Connectwell/Wago
15	Grounding Bars	Hoffman
16	Multiple Sources Label	Safety Label Solutions
17	Power Supply	Acopian/Omron/Anjana
18	Power Supply for Ethernet System	Praxiar Standard
19	Receptacle - Duplex	Hubble/MDS
20	Receptacle - Single	Hubble/MDS
21	Resistor- 1000 Ohms	Dale/Reputed
22	Resistor- 1000 Ohms	Reputed
23	Resistor- 2.5k Ohms	Ohmite/ Reputed
24	RTD	Genaral Instruments
25	STRATIX 8000 Ethernet Managed Switch	Allen-Bradley
26	Terminals & Fuse Block	Wago

27	Thermostat	Dayton/Temptrol
28	Ventilation Fan	Hoffman/ Almonard
S.No	CCP Panel Descriptions	Make
1	Bus Bar 200 x 25 x 3	Electrolytic
2	Cable 1 Sqmm	Polycab
3	Cable 2.5 Sqmm	Polycab
4	Cable 4 Sqmm	Polycab
5	CCP Panel	Chemin
6	Circuit Breaker 15A Single Pole Single Phase	Siemens/L&T/Schinder
7	Circuit Breaker 20A Single Pole Single Phase	Siemens/L&T/Schinder
8	Circuit Breaker 30A Single Pole Single Phase	Siemens/L&T/Schinder
9	Conical Support (Insulated)	Electrofiber
10	Conical Support (Insulated)	Electrofiber
11	Din Rail	Connectwell/Wago
12	Earth Bus Bar 250 x 25 x 3	Electrolytic
13	Gland	Comet/Cosmos
14	PVC Duct 45 x 60	Salzer
15	Shrouding	Reputed
16	Surge Protector	Schinder
17	TB 2.5 Sqmm	Wago
18	TB 4.5 Sqmm	Wago
19	TB 6 Sqmm	Wago
S.No	DP Panel Descriptions	Make
1	Bus Bar 200 x 25 x 3	Electrolytic
2	Cable 1 Sqmm	Polycab
3	Cable 2.5 Sqmm	Polycab
4	Cable 4 Sqmm	Polycab
5	Circuit Breaker 15A Single Pole Single Phase	Siemens/L&T/Schinder
6	Circuit Breaker 20A Single Pole Single Phase	Siemens/L&T/Schinder
7	Circuit Breaker 30A Double Pole Single Phase	Siemens/L&T/Schinder
8	Conical Support (Insulated)	Electrofiber
9	Conical Support (Insulated)	Electrofiber
10	Din Rail	Connectwell/Wago
11	DP1 Panel	Chemin
12	Earth Bus Bar 250 x 25 x 3	Electrolytic
13	Gland	Comet/Cosmos
14	PVC Duct 45 x 60	Salzer
15	Shrouding	Reputed
16	Surge Protector	Schinder
17	TB 2.5 Sqmm	Wago
18	TB 4.5 Sqmm	Wago

19	TB 6 Sqmm	Wago
20	Neoprene Gasket	Darshan
21	Hinges	Darshan
22	Door Lock	Darshan
23	Lugs	Dowell/Lotus
24	Cable Tie	A1
S.No	Electrical items Descriptions	Make
1	10 AWG (Green) - TB Carrier Rail ground (AC, DC Discrete)	Polycab
2	10 AWG (Green/Yellow) - TB Carrier Rail ground (DC Analog)	Polycab
3	14 AWG Cable	Polycab
4	14 AWG (Green) Cable - I/O Chassis to PG	Polycab
5	16 AWG Cable	Polycab
6	18 AWG Cable	Polycab
7	250 Ohm Resistor	Reputed
8	8 AWG - Enclosure frame ground	Polycab
9	Adjacent Jumper (Gray) -	Wago
10	Carrier Rail - Wago	Wago/Connectwell
11	Conical support - DC Analog carrier rail	Electrofiber
12	Conical support - IG bar	Electrofiber
13	End Plate - 4/C 2.5mm (Orange)	Wago
14	End Plate - Fuse 2.5mm (Orange)	Wago
15	End Stop 10mm	Wago
16	Fuse 1/4" x 1 1/4" -Buss 'AGC' 1A	Wago
17	Fuse 1/4" x 1 1/4" -Buss 'AGC' 3A	Wago
18	Fuse 1/4" x 1 1/4" -Buss 'AGC' 6A	Wago
19	Fuse 1/4" x 1 1/4" -Buss 'AGC' 8A	Wago
20	Fuse 5 x 20mm - Buss 'GMA' 1/4A	Wago
21	Fuse 5 x 20mm - Buss 'GMA' 3A	Wago
22	Fused Disconnect Terminal Block 10mm (Gray) 1/4" x 1 1/4"	Wago
23	Fused Disconnect Terminal Block 8mm (Gray) 5mm x 20mm	Wago
24	Gland	Cosmos/Comet
25	Ground Block 5mm 4/C (Green-Yellow)	Wago
26	Grounding Cable - Instrument	Polycab
27	Group Marker Carrier	Wago
28	Instrument ground Bar - IG	Electrolytic
29	Protective ground Bar - PG	Electrolytic
30	PVC Duct	Salzer
31	Resistor Terminal Block 8mm (Gray) 250 ohm, 1/8 watt	Wago
32	Separator-4/C 2.5mm (Orange)	Wago
33	Terminal Block 4/C 5mm (Blue)	Wago
34	Terminal Block 4/C 5mm (Gray)	Wago

35	Terminal Marking Strips	Wago
36	Wire Commoning Chain 8 Amp	Wago



Scope of Supply of N50 'Enclosure' with B,BA,CCP, DP, MAP, CB, MCC Supplied to Parxair, Bangalore		
S.No	Enclosure Descriptions	Make
1	24" x 24" x 0.25" Safety glass window	Reputed
2	24" x 24" x 1" Thick High density wood core	Reputed
3	3 KVA UPS System	E & Cpower systems
4	3" Fiber Glass Insulation	Reputed
5	Air Conditioner with thermostat	Bluestar
6	Door 2200 x 1000	Chemin
7	Door Panic Hardware	Reputed
8	Door Stopper	Reputed
9	Emergency Light	Reputed
10	Exit Light	Reputed
11	Grounding Lug (M10 Size Bolt)	Reputed
12	Lamp - C1	Anchor/HPL
13	Light	Anchor/HPL

14	Light Switch	Kaycee
15	Non UPS Receptacle	MDS
16	Rain water drain pipe	Reputed
17	Smoke Detector	Reputed
18	UPS Receptacle	MDS
19	Vent Fan	Almonard
S.No	B Panel Descriptions	Make
1	11 pin Base for A/B 700HA	Allen-Bradley
2	19" Rack Panel	Chemin
3	24VDC Power Supply	Moore Industries
4	Ack Push button	Allen-Bradley/Teknic/Siemens
5	Angle Ball Valve - 2 Way	Whitey/HP Valves/Excel Hydro
6	Atm Monitor system	Honeywell
7	Audible device	Allen-Bradley
8	Ball Valve - 3 Way	Whitey/HP Valves/Excel Hydro
9	Ball Valve - 3 Way (Air Actuated)	Whitey/HP Valves/Excel Hydro
10	Bulkhead Union - 1/2" OD	Swagelok
11	Bulkhead Union - 1/4" OD	Swagelok
12	Check Valve	Swagelok
13	CO2 Analyzer	Praxiar Standard
14	Control Relay	Allen-Bradley/L&T/Siemens
15	Filter	Swagelok
16	Flow Meter - 0.8 SCFH	ABB
17	Flow Meter - 15 SCFH	ABB
18	Grounding Bar kit	Reputed
19	Momentary Push Button	Allen-Bradley/Teknic
20	Needle Valve	Swagelok
21	Pressure Indicator	Swagelok
22	Pressure regulator	Porter Instrument
23	Receptacle - Single	Hubbel/BCH/MDS
24	Relief Valve - 10 psig	Generant
25	Relief Valve - 50 psig	Generant
26	Relief Valve - 8 psig	Generant
27	Reset Timer	Allen-Bradley/L&T/Siemens
28	Selector Switch	Allen-Bradley/L&T/Siemens
29	Solenoid Valve - 3 Way	Rotex/Awcon
30	SS Tube - 1/2" OD	Swagelok
31	SS Tube - 1/4" OD	Swagelok
32	St. Ball Valve – 3 Way	Whitey/HP Valves/Excel Hydro
33	Tee - 1/4" OD	Swagelok
34	Terminal & Fuse Blocks	Wago

35	Test Push button	Allen-Bradley/L&T/Siemens
36	Trace O2 Analyzer	Praxiar Standard
S.No	BA Panel Descriptions	Make
1	11 PIN Base for A/B 700 HA	Allen-Bradley
2	8 PIN Base for A/B 700 HA	Allen-Bradley
3	Auto Dialer	Global Monitoring, LLC
4	BA Panel	Chemin
5	Control Relay - 2PDT	Allen-Bradley
6	Control Relay - 3PDT	Allen-Bradley
7	Control Relay - 8 Convertible	Allen-Bradley
8	Controller - AB Equipment	Praxiar Standard
9	Distribution Block	Feraz Shawmut
10	Door Activated Switch	Hoffman/Kaycee
11	Elec. Enclosure	Chemin
12	Exhaust Grill	Hoffman
13	Fluorescent Light - 24"	Lithonia/Kaycee
14	Fuse	Buss/Connectwell/Wago
15	Grounding Bars	Hoffman
16	Multiple Sources Label	Safety Label Solutions
17	Power Supply	Acopian/Omron/Anjana
18	Power Supply for Ethernet System	Praxiar Standard
19	Receptacle - Duplex	Hubble/MDS
20	Receptacle - Single	Hubble/MDS
21	Resistor- 1000 Ohms	Dale/Reputed
22	Resistor- 1000 Ohms	Reputed
23	Resistor- 2.5k Ohms	Ohmite/ Reputed
24	RTD	Genaral Instruments
25	STRATIX 8000 Ethernet Managed Switch	Allen-Bradley
26	Terminals & Fuse Block	Wago
27	Thermostat	Dayton/Temptrol
28	Ventilation Fan	Hoffman/ Almonard
S.No	CCP Panel Descriptions	Make
1	Bus Bar 200 x 25 x 3	Electrolytic
2	Cable 1 Sqmm	Polycab
3	Cable 2.5 Sqmm	Polycab
4	Cable 4 Sqmm	Polycab
5	CCP Panel	Chemin
6	Circuit Breaker 15A Single Pole Single Phase	Siemens/L&T/Schinder
7	Circuit Breaker 20A Single Pole Single Phase	Siemens/L&T/Schinder
8	Circuit Breaker 30A Single Pole Single Phase	Siemens/L&T/Schinder
9	Conical Support (Insulated)	Electrofiber

10	Conical Support (Insulated)	Electrofiber
11	Din Rail	Connectwell/Wago
12	Earth Bus Bar 250 x 25 x 3	Electrolytic
13	Gland	Comet/Cosmos
14	PVC Duct 45 x 60	Salzer
15	Shrouding	Reputed
16	Surge Protector	Schinder
17	TB 2.5 Sqmm	Wago
18	TB 4.5 Sqmm	Wago
19	TB 6 Sqmm	Wago
S.No	DP Panel Descriptions	Make
1	Bus Bar 200 x 25 x 3	Electrolytic
2	Cable 1 Sqmm	Polycab
3	Cable 2.5 Sqmm	Polycab
4	Cable 4 Sqmm	Polycab
5	Circuit Breaker 15A Single Pole Single Phase	Siemens/L&T/Schinder
6	Circuit Breaker 20A Single Pole Single Phase	Siemens/L&T/Schinder
7	Circuit Breaker 30A Double Pole Single Phase	Siemens/L&T/Schinder
8	Conical Support (Insulated)	Electrofiber
9	Conical Support (Insulated)	Electrofiber
10	Din Rail	Connectwell/Wago
11	DP1 Panel	Chemin
12	Earth Bus Bar 250 x 25 x 3	Electrolytic
13	Gland	Comet/Cosmos
14	PVC Duct 45 x 60	Salzer
15	Shrouding	Reputed
16	Surge Protector	Schinder
17	TB 2.5 Sqmm	Wago
18	TB 4.5 Sqmm	Wago
19	TB 6 Sqmm	Wago
20	Neoprene Gasket	Darshan
21	Hinges	Darshan
22	Door Lock	Darshan
23	Lugs	Dowell/Lotus
24	Cable Tie	A1
S.No	MA Panel Descriptions	Make
1	MA Panel	Chemin
2	Elect Enclosure	Chemin
3	Allen Bradley Equipment	Allen-Bradley
4	Terminal, Resistor & Fuse Block	Wago
5	Ground Bar Kit	Electrolytic

6	Fuse 1/4 Amp	Wago
7	Fuse 1 Amp	Wago
8	Fuse 3 Amp	Wago
9	Fuse 6 Amp	Wago
10	Vent Fan	Almonard
11	Thermostat	Temptrol
12	Light	Kaycee
13	Power Supply	Anjana
14	Control Relay	Allen-Bradley
15	Control Relay	Allen-Bradley
S.No	CB Panel Descriptions	Make
1	CB Panel	Chemin
2	Elect Enclosure	Chemin
3	Allen Bradley Equipment	Allen-Bradley
4	Terminal, Resistor & Fuse Block	Wago
5	Ground Bar Kit	Electrolytic
6	Fuse 1/4 Amp	Wago
7	Fuse 1 Amp	Wago
8	Fuse 3 Amp	Wago
9	Fuse 6 Amp	Wago
10	Vent Fan	Almonard
11	Thermostat	Temptrol
12	Light	Kaycee
13	Power Supply	Anjana
S.No	Electrical items Descriptions	Make
1	10 AWG (Green) - TB Carrier Rail ground (AC, DC Discrete)	Polycab
2	10 AWG (Green/Yellow) - TB Carrier Rail ground (DC Analog)	Polycab
3	14 AWG Cable	Polycab
4	14 AWG (Green) Cable - I/O Chassis to PG	Polycab
5	16 AWG Cable	Polycab
6	18 AWG Cable	Polycab
7	250 Ohm Resistor	Reputed
8	8 AWG - Enclosure frame ground	Polycab
9	Adjacent Jumper (Gray) -	Wago
10	Carrier Rail - Wago	Wago/Connectwell
11	Conical support - DC Analog carrier rail	Electrofiber
12	Conical support - IG bar	Electrofiber
13	End Plate - 4/C 2.5mm (Orange)	Wago
14	End Plate - Fuse 2.5mm (Orange)	Wago
15	End Stop 10mm	Wago
16	Fuse 1/4" x 1 1/4" -Buss 'AGC' 1A	Wago

17	Fuse 1/4" x 1 1/4" -Buss 'AGC' 3A	Wago
18	Fuse 1/4" x 1 1/4" -Buss 'AGC' 6A	Wago
19	Fuse 1/4" x 1 1/4" -Buss 'AGC' 8A	Wago
20	Fuse 5 x 20mm - Buss 'GMA' 1/4A	Wago
21	Fuse 5 x 20mm - Buss 'GMA' 3A	Wago
22	Fused Disconnect Terminal Block 10mm (Gray) 1/4" x 1 1/4"	Wago
23	Fused Disconnect Terminal Block 8mm (Gray) 5mm x 20mm	Wago
24	Gland	Cosmos/Comet
25	Ground Block 5mm 4/C (Green-Yellow)	Wago
26	Grounding Cable - Instrument	Polycab
27	Group Marker Carrier	Wago
28	Instrument ground Bar - IG	Electrolytic
29	Protective ground Bar - PG	Electrolytic
30	PVC Duct	Salzer
31	Resistor Terminal Block 8mm (Gray) 250 ohm, 1/8 watt	Wago
32	Separator-4/C 2.5mm (Orange)	Wago
33	Terminal Block 4/C 5mm (Blue)	Wago
34	Terminal Block 4/C 5mm (Gray)	Wago
35	Terminal Marking Strips	Wago
36	Wire Communing Chain 8 Amp	Wago



HEAD OFFICE

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