

COMPAX2500S, COMPAX4500S, COMPAX8500S

X1 - Motor/Brake Connections, 8-Pin Removable Connector

Pin #	Type	Signal
1	Phase U	U
2	Phase V	V
3	Phase W	W
4	Power Earth	GND
5	Brake Input	BR+
6	Brake Output	BR-
7	Brake Enable	BE+
8	Brake Enable	BE-

X2 - Power Intermediate Loop, 4-Pin Connector

Pin #	Signal
1	L1
2	L2
3	L3
4	PE

X3 - Control Voltage, Removable Screw Terminal

Pin #	Signal
1	24V
2	0V

X6 - RS-232, 9-Pin D Connector

Pin #	Signal
1	NC
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS

X11 - DA Monitors 7-Pin Removable Connector

Pin #	Type	Signal
1	Output	+24V
2	Output	GND
3	Output	override
4	Input	DA-CH1
5	Input	DA-CH2
6	Input	override(-)
7		Shield

X8 - Input/Output, 16-Pin Removable Connector

Pin #	Signal
1	Input
2	Input
3	Input
4	Input
5	Input
6	Input
7	Input
8	Input
9	Output
10	Output
11	Output
12	Output
13	Output
14	Output
15	Output
16	Output

X9 - Emergency Stop and Standby, 7-Pin Removable Connector

Pin #	Type	Signal
1	Output	+24V
2	Return	GND
3		Ready
4		Ready
5	Output	24V
6	Input	24v Emergency Stop
7		Housing

X10 - Input/Output 16-Pin Removable Connector

Pin #	Signal
1	Input
2	Input
3	Input
4	Input
5	Input
6	Input
7	Input
8	Input
9	Output
10	Output
11	Output
12	Output
13	Output
14	Output
15	Output
16	Output

X18 - Fan, Screw Terminal

Pin #	Signal
1	24V
2	0V

X12 - Resolver, 15-Pin D Connector

Pin #	Type	Signal
1	Ground	Housing
2		NC
3		NC
4	Output	REF-
5	Input	SIN-
6		NC
7		GND
8		NC
9	Input	+5V
10	Input	TEMP
11	Input	COS-
12	Input	COS+
13	Input	SIN+
14	Output	REF+
15		NC

X13 - Encoder, 15-Pin D Connector

Pin #	Type	Signal
1	Ground	Housing
2	Input	N2
3	Input	B2
4	Input	A2
5	Input	N1
6	Input	B1
7	Input	A1
8	Output	+5V
9	Input	N2-
10	Input	B2-
11	Input	A2-
12	Input	N1-
13	Input	B1-
14	Input	A1-
15		GND

X14 and X15 - HEDA, 9-Pin D Connector

Pin #	Signal
1	NC
2	RXC
3	TXC
4	RXD
5	TXD
6	RXC-
7	TXC-
8	RXD-
9	TXD-

X16 - Absolute Encoder, 9-Pin D Connector

Pin #	Signal
1	T-
2	NC
3	D-
4	NC
5	GND
6	T+
7	NC
8	D+
9	+24V

X17 - DA Monitor/Indicators, 9-Pin D Connector

Pin #	Type	Signal
1	Output	DA-CH0
2	Output	DA-CH1
3		Shield
4	Supply Indicator	GND 24V
5	Supply Indicator	+24V
6	Reference	GND
7	Input	Sig-MN
8	Input	Sig-E2
9	Input	Sig-E1

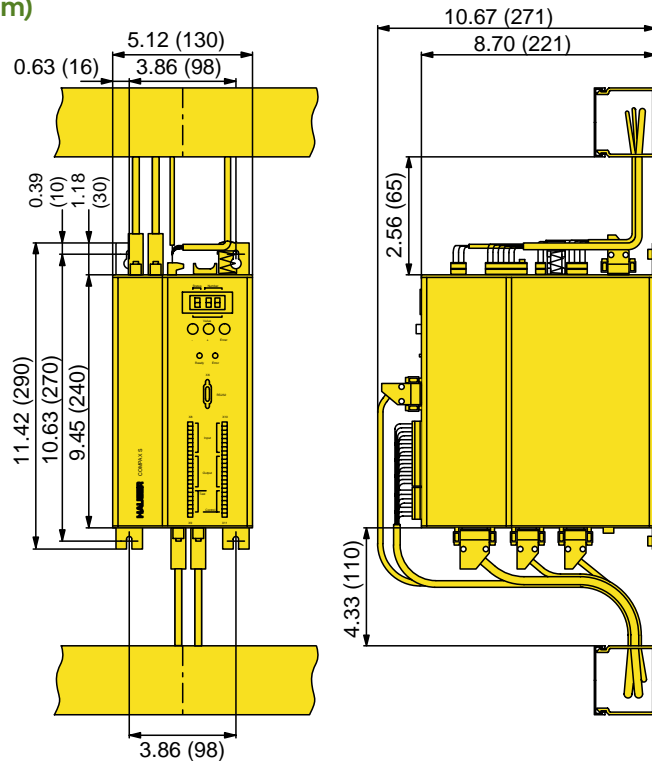
Ordering Information **CE (EMC and LVD)**

Part No.	Description
Drives:	
COMPAX2500S	6.3 A Continuous, 230V Drive
COMPAX4500S	6.5 A Continuous, 460V Drive
COMPAX8500S	12.5 A Continuous, 460V Drive
Motors:	
HDY70C4-44S	70 mm Brushless motor w/resolver
HDY92E4-44S	92 mm Brushless motor w/resolver
HDY115A6-88S	115 mm Brushless motor w/resolver
HDY115C6-88S	115 mm Brushless motor w/resolver
HDY142C6-88S	142 mm Brushless motor w/resolver
Motor-to-drive cables:	
MOK42	Motor cable for HDY70 through HDY115
MOK43	Motor cable for HDY142
Resolver-to-drive cables:	
REK32	Resolver cable for HDY70 through 142
Standard lengths available from 2.5 meters to 50 meters. Please call factory for additional ordering information.	

For More Information on CE-Marked Digital Servo Systems, Call 1-800-358-9070 Today.

COMPAX2500S Dimensions

Dimensions in inches (mm)



COMPAX4500S and COMPAX8500S Dimensions

Dimensions in inches (mm)

