

H1 Remote Access Chassis Corner Left Rail								
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
<b>Power</b>								
24V	violet	L	EK1101	0	24V	P	TBLOCK	
0V	gray	L	EK1101	0	0V	P	TBLOCK	
24V	violet	L	EK1101	0	+	P	TBLOCK	
0V	gray	L	EK1101	0	-	P	TBLOCK	
24V	violet	L	EL9400	7	24V	P	TBLOCK	
0V	gray	L	EL9400	7	0V	P	TBLOCK	
24V	violet	L	EL9400	7	+	P	TBLOCK	
0V	gray	L	EL9400	7	-	P	TBLOCK	
24V	violet	L	EL6692	18	24V	P	TBLOCK	
0V	gray	L	EL6692	18	0V	P	TBLOCK	
24V	violet	L	EL6692	20	24V	P	TBLOCK	
0V	gray	L	EL6692	20	0V	P	TBLOCK	
<b>Communication</b>								
EtherCAT in	CAT5	L	EK1101	0	X1	Comm.	Front	In
EtherCAT out	CAT5	L	EK1101	0	X2	Comm.	Front	Out
<b>Temperature</b>								
Temperature Supply 1 +	red	L	EL3202	2	+R1	AI	6	1-2
Temperature Supply 1 -	black	L	EL3102	2	-R1	AI	6	1-4
Temperature Readback 1 +	green	L	EL3102	2	+R1	AI	6	1-1
Temperature Readback 1 -	white	L	EL3102	2	-R1	AI	6	1-3
Temperature Supply 2 +	red	L	EL3202	2	+R2	AI	6	2-2
Temperature Supply 2 -	black	L	EL3102	2	-R2	AI	6	2-4
Temperature Readback 2 +	green	L	EL3102	2	+R2	AI	6	2-1
Temperature Readback 2 -	white	L	EL3102	2	-R2	AI	6	2-3
<b>Communication</b>								
SM fiber EX	SM fiber	L	EK1521	3	X1	Comm.	9	EX
SM fiber EY	SM fiber	L	EK1521	5	X1	Comm.	9	EY
MM fiber corner	MM fiber	L	EK1521	8	X1	Comm.	9	Vertex
PTP	CAT5	L	EL6688	10	X1	Comm.	9	PTP
<b>Serial</b>								
H0 weather	D-sub	L	EL6002	12	X1	Serial	7	1
H0 atomic clock	D-sub	L	EL6002	12	X2	Serial	7	2
H0 GPS 1	D-sub	L	EL6002	14	X1	Serial	7	3
H0 GPS 2	D-sub	L	EL6002	14	X2	Serial	7	4
Spare RS422	D-sub	L	EL6022	16	X1	Serial	7	7
H0 timing master	D-sub	L	EL6022	16	X2	Serial	7	8
<b>Communication</b>								
H2 input	CAT5	L	EL6692	18	X1	Comm.	Rear port	1
H2 output	CAT5	L	EL6692	18	X2	Comm.	Rear port	2
Safety input	CAT5	L	EL6692	20	X1	Comm.	Middle	9/X1
Safety output	CAT5	L	EL6692	20	X2	Comm.	4	Ext.

Temperature terminals are coded red and blue for the supply lines and yellow for the readback lines.

H1 Remote Access Chassis Corner				Middle Rail				
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
<b>Power</b>								
24V	violet	M	CX5010	0	24V	P	TBLOCK	
0V	gray	M	CX5010	0	0V	P	TBLOCK	
24V	violet	M	CX5010	0	+	P	TBLOCK	
0V	gray	M	CX5010	0	-	P	TBLOCK	
<b>Communication</b>								
Ethernet	CAT5	M	CX5010	0	X1	Comm.	5	TCP/IP
Ethernet	CAT5	M	CX5010	0	X2	Comm.	Front	TCP/IP
USB	CAT5	M	CX5010	0		Comm.	Front	USB
USB	CAT5	M	CX5010	0		Comm.	Front	USB
USB	CAT5	M	CX5010	0		Comm.	Front	USB
USB	CAT5	M	CX5010	0		Comm.	Front	USB
DVI	CAT5	M	CX5010	0	DVI	Comm.	Front	DVI
<b>Safety</b>								
Safety sensor 1 +	brown	M	EL1904	2	+I1	BI	8	1
Safety sensor 1 -	black	M	EL1904	2	-I1	BI	8	20
Safety sensor 2 +	brown	M	EL1904	2	+I2	BI	8	2
Safety sensor 2 -	black	M	EL1904	2	-I2	BI	8	21
Safety sensor 3 +	brown	M	EL1904	2	+I3	BI	8	3
Safety sensor 3 -	black	M	EL1904	2	-I3	BI	8	22
Safety sensor 4 +	brown	M	EL1904	2	+I4	BI	8	4
Safety sensor 4 -	black	M	EL1904	2	-I4	BI	8	23
Safety relay 1 +	orange	M	EL2904	3	+O1	BO	8	5
Safety relay 1 -	black	M	EL2904	3	-O1	BO	8	24
Safety relay 2 +	orange	M	EL2904	3	+O2	BO	8	6
Safety relay 2 -	black	M	EL2904	3	-O2	BO	8	25
Safety relay 3 +	orange	M	EL2904	3	+O3	BO	8	7
Safety relay 3 -	black	M	EL2904	3	-O3	BO	8	26
Safety relay 4 +	orange	M	EL2904	3	+O4	BO	8	8
Safety relay 4 -	black	M	EL2904	3	-O4	BO	8	27
<b>Communication</b>								
SM fiber EX	SM fiber	M	EK1521	5	X1	Comm.	5	EX
SM fiber EY	SM fiber	M	EK1521	7	X1	Comm.	5	EY
Safety EtherCAT out	CAT5	M	EK1110	9	X1	Comm.	Left	20/X1

<b>H1 Remote Access Chassis Corner</b>				<b>Right Rail</b>				
<b>Name</b>	<b>Color</b>	<b>Rail</b>	<b>Module</b>	<b>Number</b>	<b>Channel</b>	<b>Type</b>	<b>Adapter</b>	<b>Pin</b>

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H1 Remote Access Chassis End		Left Rail						
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
<b>Power</b>								
24V	violet	L	EK1101	0	24V	P	TBLOCK	
0V	gray	L	EK1101	0	0V	P	TBLOCK	
24V	violet	L	EK1101	0	+	P	TBLOCK	
0V	gray	L	EK1101	0	-	P	TBLOCK	
<b>Communication</b>								
EtherCAT in	CAT5	L	EK1101	0	X1	Comm.	Front	In
EtherCAT out	CAT5	L	EK1101	0	X2	Comm.	Right	4-X1
<b>Temperature</b>								
Temperature Supply 1 +	red	L	EL3202	2	+R1	AI	6	1-2
Temperature Supply 1 -	black	L	EL3102	2	-R1	AI	6	1-4
Temperature Readback 1 +	green	L	EL3102	2	+R1	AI	6	1-1
Temperature Readback 1 -	white	L	EL3102	2	-R1	AI	6	1-3
Temperature Supply 2 +	red	L	EL3202	2	+R2	AI	6	2-2
Temperature Supply 2 -	black	L	EL3102	2	-R2	AI	6	2-4
Temperature Readback 2 +	green	L	EL3102	2	+R2	AI	6	2-1
Temperature Readback 2 -	white	L	EL3102	2	-R2	AI	6	2-3
<b>Communication</b>								
MM fiber end	MM fiber	L	EK1521	4	X1	Comm.	Rear port	1

Temperature terminals are coded red and blue for the supply lines and yellow for the readback lines.

H1 Remote Access Chassis End				Middle Rail				
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
<b>Power</b>								
24V	violet	R	EK1501	0	24V	P	TBLOCK	
0V	gray	R	EK1501	0	0V	P	TBLOCK	
24V	violet	R	EK1501	0	+	P	TBLOCK	
0V	gray	R	EK1501	0	-	P	TBLOCK	
24V	violet	R	EL6692	4	24V	P	TBLOCK	
0V	gray	R	EL6692	4	0V	P	TBLOCK	
<b>Communication</b>								
Corner EtherCAT in	SM fiber	R	EK1501	0	X1	Comm.	3	Vertex
Corner EtherCAT out 1	SM fiber	R	EK1501	0	X2	Comm.	3	Ext.
Corner EtherCAT out 2	CAT5	R	EK1110	4	X1	Comm.	3	Ext.
<b>Safety</b>								
Safety sensor 1 +	brown	R	EL1904	1	+I1	BI	2	1
Safety sensor 1 -	black	R	EL1904	1	-I1	BI	2	20
Safety sensor 2 +	brown	R	EL1904	1	+I2	BI	2	2
Safety sensor 2 -	black	R	EL1904	1	-I2	BI	2	21
Safety sensor 3 +	brown	R	EL1904	1	+I3	BI	2	3
Safety sensor 3 -	black	R	EL1904	1	-I3	BI	2	22
Safety sensor 4 +	brown	R	EL1904	1	+I4	BI	2	4
Safety sensor 4 -	black	R	EL1904	1	-I4	BI	2	23
Safety relay 1 +	orange	R	EL2904	2	+O1	BO	2	5
Safety relay 1 -	black	R	EL2904	2	-O1	BO	2	24
Safety relay 2 +	orange	R	EL2904	2	+O2	BO	2	6
Safety relay 2 -	black	R	EL2904	2	-O2	BO	2	25
Safety relay 3 +	orange	R	EL2904	2	+O3	BO	2	7
Safety relay 3 -	black	R	EL2904	2	-O3	BO	2	26
Safety relay 4 +	orange	R	EL2904	2	+O4	BO	2	8
Safety relay 4 -	black	R	EL2904	2	-O4	BO	2	27

H1 Remote Access Chassis End				Right Rail				
Name	Color	Rail	Module	Number	Channel	Type	Adapter	Pin
<b>Power</b>								
24V	violet	R	EK1501	0	24V	P	TBLOCK	
0V	gray	R	EK1501	0	0V	P	TBLOCK	
24V	violet	R	EK1501	0	+	P	TBLOCK	
0V	gray	R	EK1501	0	-	P	TBLOCK	
24V	violet	R	EL6692	1	24V	P	TBLOCK	
0V	gray	R	EL6692	1	0V	P	TBLOCK	
<b>Communication</b>								
Corner EtherCAT in	SM fiber	R	EK1501	0	X1	Comm.	1	Vertex
Corner EtherCAT out 1	SM fiber	R	EK1501	0	X2	Comm.	1	Ext.
Corner EtherCAT out 2	CAT5	R	EK1110	7	X1	Comm.	1	Ext.
End EtherCAT in	CAT5	R	EL6692	1	X2	Comm.	Left	0-X2
End EtherCAT out	CAT5	R	EL6692	1	X2	Comm.	Front	Out
<b>Serial</b>								
H0 weather	D-sub	L	EL6002	3	X1	Serial	7	1
H0 GPS 1	D-sub	L	EL6002	3	X2	Serial	7	2
Spare RS422	D-sub	L	EL6022	5	X1	Serial	7	7
H0 timing master	D-sub	L	EL6022	5	X2	Serial	7	8