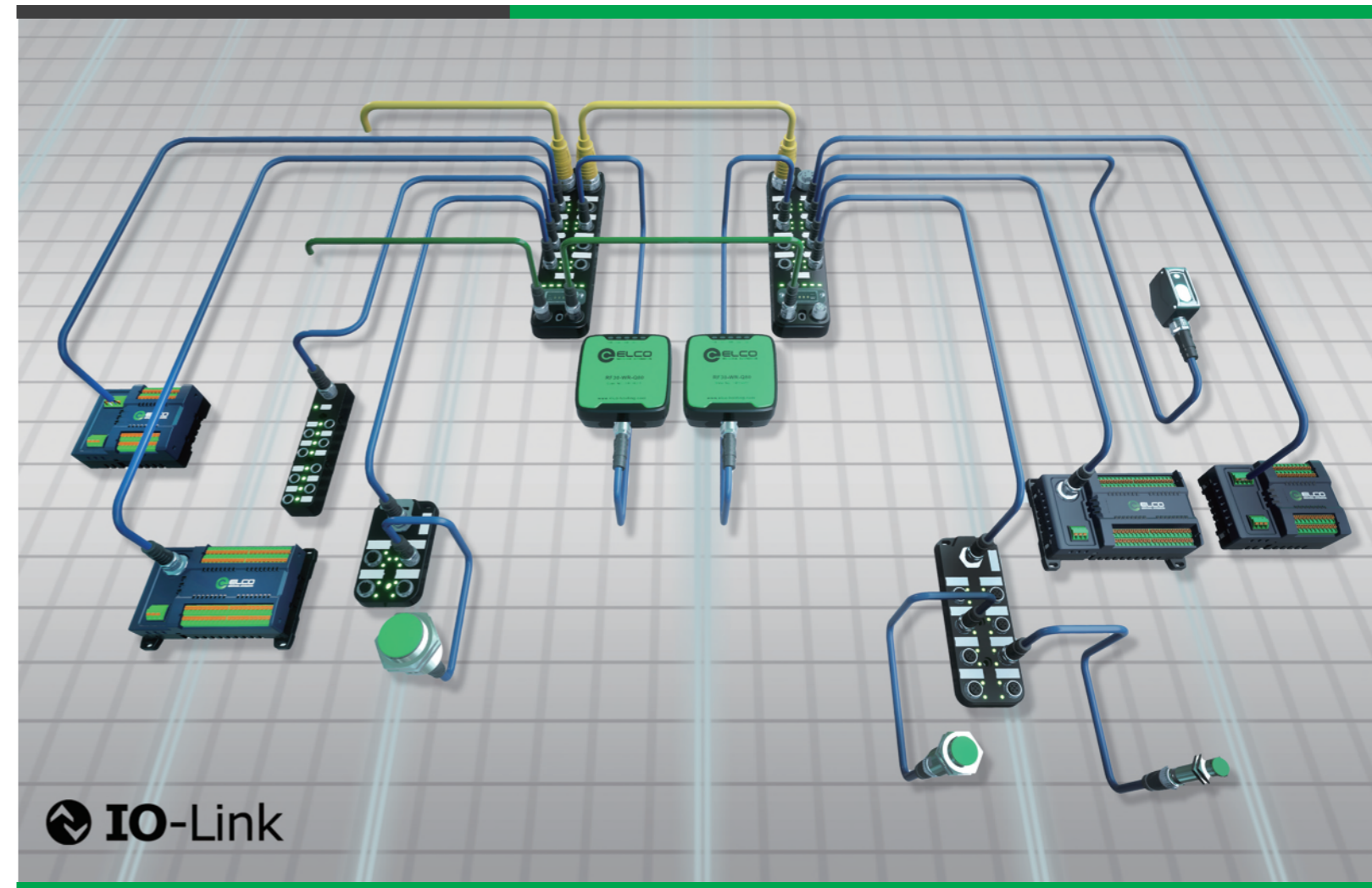


IO-LINK Product Catalog

IO-LINK Hubs IP20



ELCO Industrie Automation GmbH
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71720 Oberstenfeld
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E-Mail: info@elco-automation.de

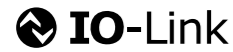


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C+R Automations- GmbH
Nürnberger Straße 45
90513 Zirndorf

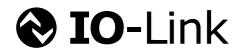
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- IO-Link Version 1.1
- Transfer rate:COM2 (38.4 kBaud)
- IO-Link port: Class A
- Pluggable I/O terminal blocks



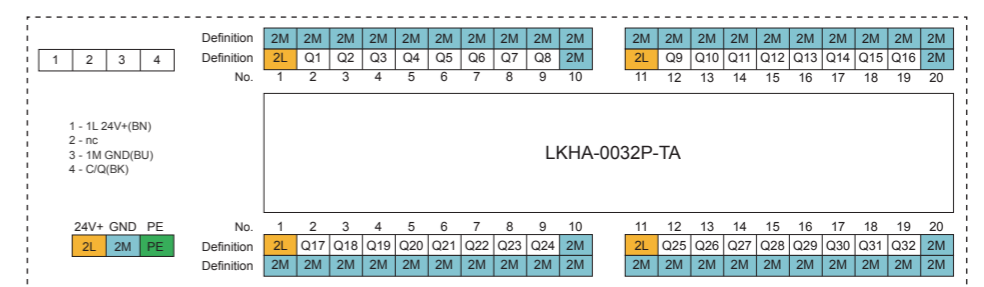
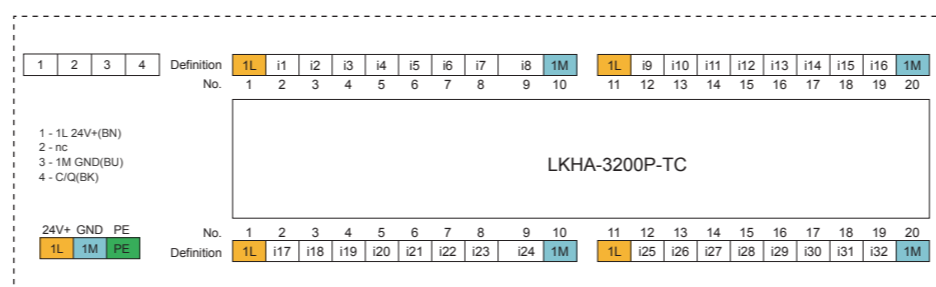
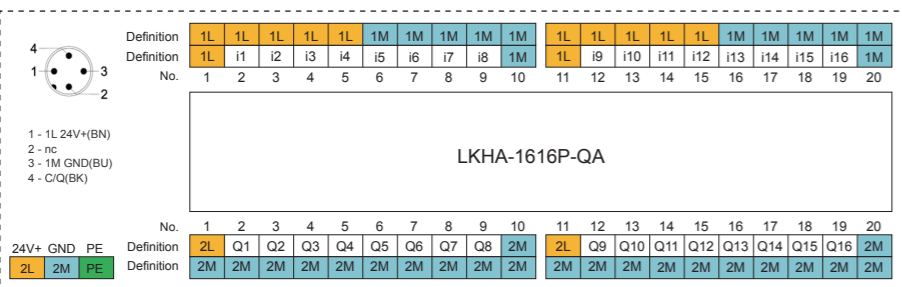
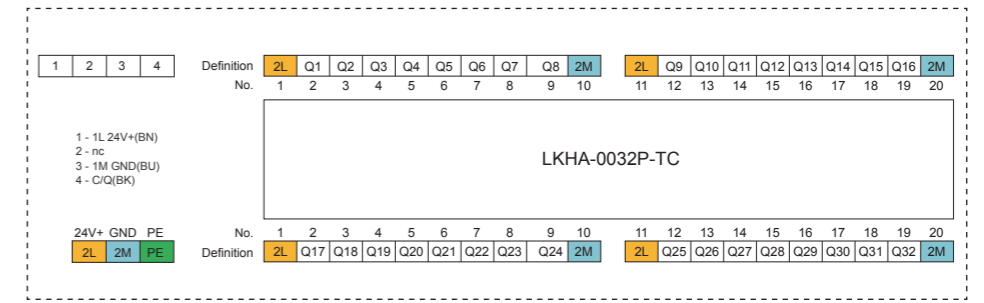
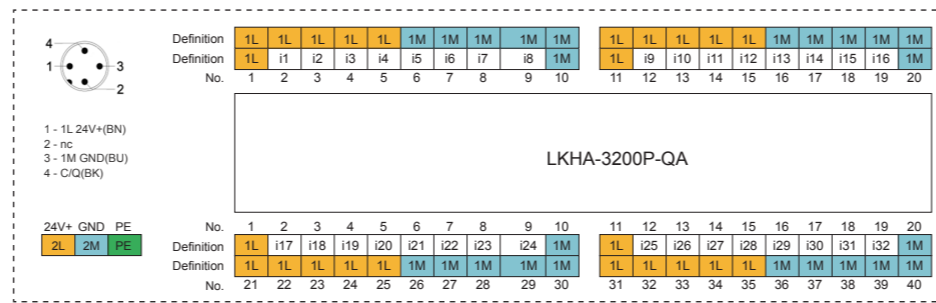
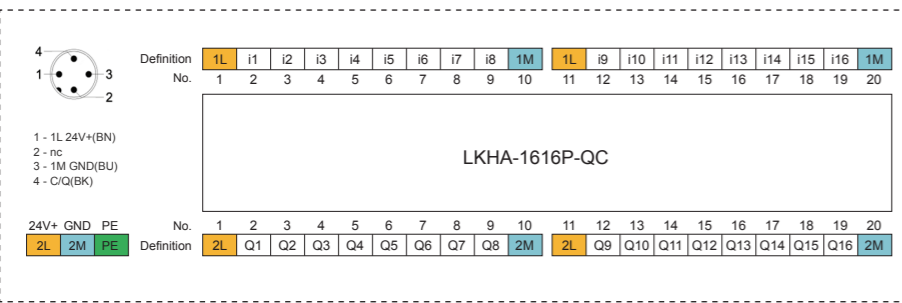
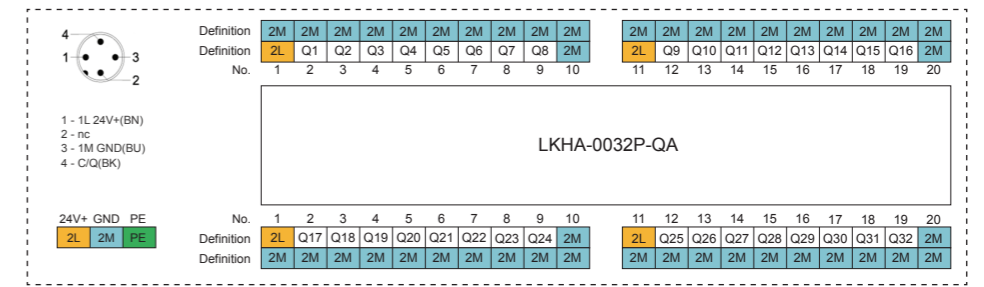
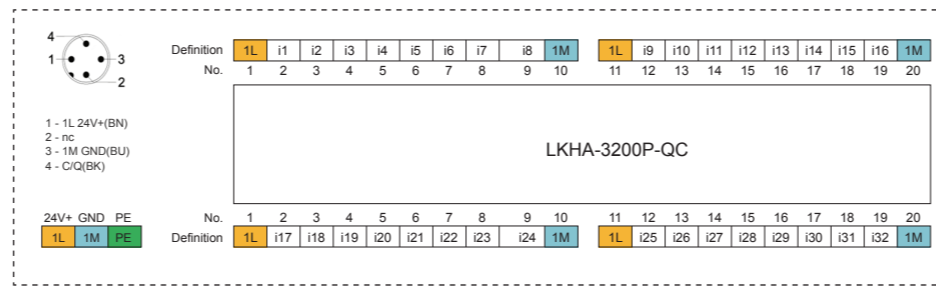
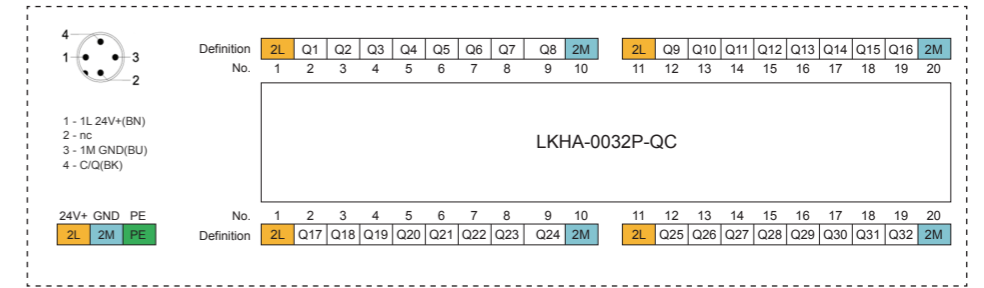
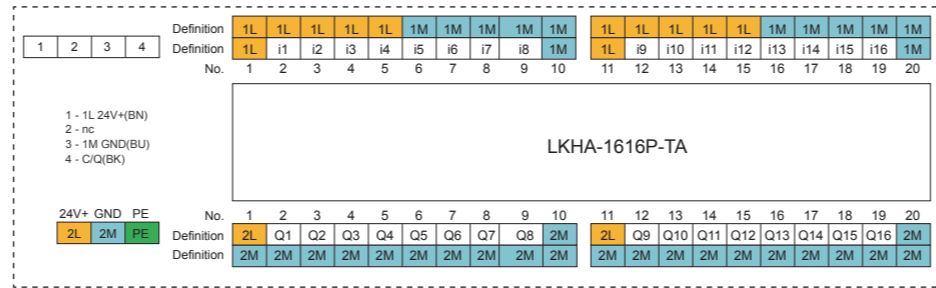
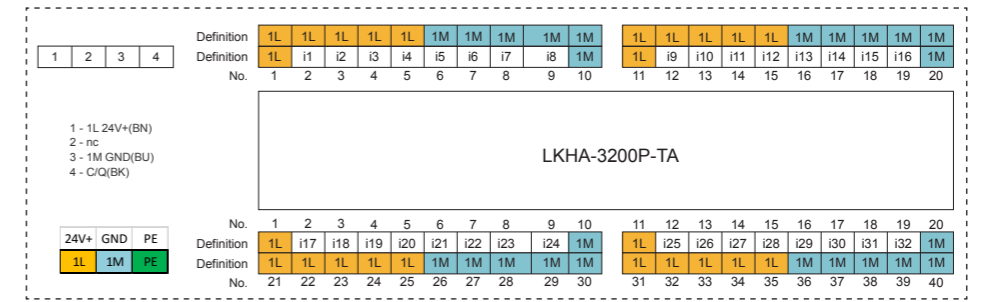
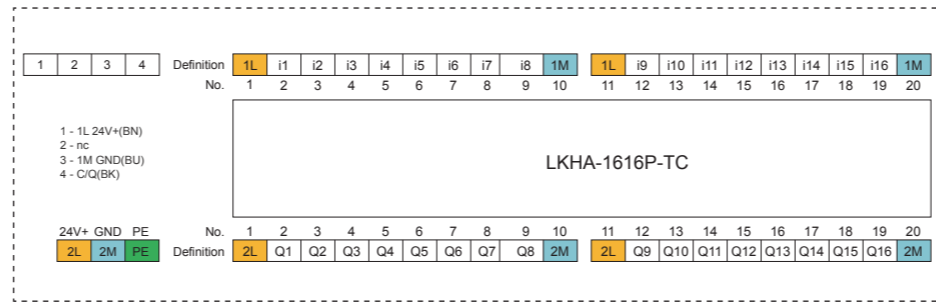
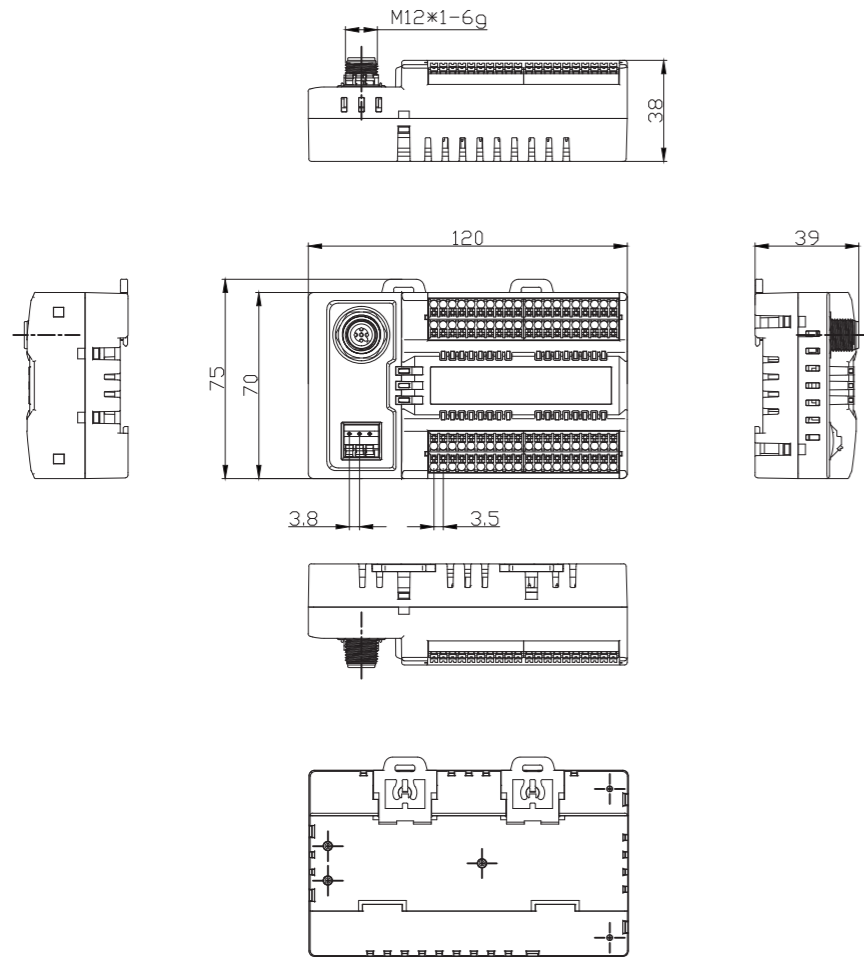
Ordering data						
Product Model	LKHA-3200P-QC	LKHA-3200P-TC	LKHA-1616P-QC	LKHA-1616P-TC	LKHA-0032P-QC	LKHA-0032P-TC
Description	32DI,PNP,interface 4-PIN M12	32DI,PNP,interface 4-Pos terminals	16DI/16DO,PNP,interface 4-PIN M12	16DI/16DO,PNP,interface 4-Pos terminals	32DO,PNP,interface 4-PIN M12	32DO,PNP,interface 4-Pos terminals
Product Model	LKHA-3200N-QC	LKHA-3200N-TC	LKHA-1616N-QC	LKHA-1616N-TC	LKHA-0032N-QC	LKHA-0032N-TC
Description	32DI,NPN,interface 4-PIN M12	32DI,NPN,interface 4-Pos terminals	16DI/16DO,NPN,interface 4-PIN M12	16DI/16DO,NPN,interface 4-Pos terminals	32DO,NPN,interface 4-PIN M12	32DO,NPN,interface 4-Pos terminals
Electrical connection						
IO-Link	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals
Power supply	Included in IO-Link interface		IO-LINK interface+Power supply terminals			
Input/Output	4× 10 position I/O terminal blocks,Push-in spring connection,Pluggable		4× 10 position I/O terminal blocks,Push-in spring connection,Pluggable			
Electrical data						
Input	32	32	16	16	—	—
Input supply current	Max 200mA per channel		Max 200mA per channel		—	—
Input delay	0.8ms,1.6ms,3.2ms or 20ms ,Parameterizable configuration		0.8ms,1.6ms,3.2ms or 20ms ,Parameterizable configuration		—	—
Output	-	-	16	16	32	32
Output current	-	-	Max 500mA per channel			
Output type	-	-	Lamps, solenoidvalve, etc..			
Output frequency	-	-	Resistive load 100Hz, Inductive load 5Hz			
Diagnostics						
Communication status	LED indication, Communication message		LED indication, Communication message			
Voltage detection	LED indication		LED indication			
Short-circuit & Overload	LED indication		LED indication			
General data						
Protection Class	IP20		IP20			
Temperature	Operating -25...+70 °C, Storage -40...+85 °C		Operating -25...+70 °C, Storage -40...+85 °C			
Dimensions (W*H*D)	120mm×70mm×41.5mm		120mm×70mm×41.5mm			

- IO-Link Version 1.1
- Transfer rate:COM2 (38.4 kBaud)
- IO-Link port: Class A
- Pluggable I/O and Aux-plugs(24V and 0V) terminal blocks

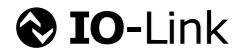


Ordering data						
Product Model	LKHA-3200P-QA	LKHA-3200P-TA	LKHA-1616P-QA	LKHA-1616P-TA	LKHA-0032P-QA	LKHA-0032P-TA
Description	32DI,PNP,interface 4-PIN M12	32DI,PNP,interface 4-Pos terminals	16DI/16DO,PNP,interface 4-PIN M12	16DI/16DO,PNP,interface 4-Pos terminals	32DO,PNP,interface 4-PIN M12	32DO,PNP,interface 4-Pos terminals
Product Model	LKHA-3200N-QA	LKHA-3200N-TA	LKHA-1616N-QA	LKHA-1616N-TA	LKHA-0032N-QA	LKHA-0032N-TA
Description	32DI,NPN,interface 4-PIN M12	32DI,NPN,interface 4-Pos terminals	16DI/16DO,NPN,interface 4-PIN M12	16DI/16DO,NPN,interface 4-Pos terminals	32DO,NPN,interface 4-PIN M12	32DO,NPN,interface 4-Pos terminals
Electrical connection						
IO-Link	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals
Power supply	Included in IO-Link interface		IO-LINK interface+Power supply terminals			
Input/Output	4× 10 position I/O terminal blocks+4×10 position Aux-plugs(24V and 0V) terminal blocks,Push-in spring connection,Pluggable					
Electrical data						
Input	32	32	16	16	—	—
Input supply current	Max 200mA per channel		Max 200mA per channel		—	—
Input delay	0.8ms,1.6ms,3.2ms or 20ms ,Parameterizable configuration		0.8ms,1.6ms,3.2ms or 20ms ,Parameterizable configuration		—	—
Output	-	-	16	16	32	32
Output current	-	-	Max 500mA per channel			
Output type	-	-	Lamps, solenoidvalve, etc..			
Output frequency	-	-	Resistive load 100Hz, Inductive load 5Hz			
Diagnostics						
Communication status	LED indication, Communication message		LED indication, Communication message			
Voltage detection	LED indication		LED indication			
Short-circuit & Overload	LED indication		LED indication			
General data						
Protection Class	IP20		IP20			
Temperature	Operating -25...+70 °C, Storage -40...+85 °C		Operating -25...+70 °C, Storage -40...+85 °C			
Dimensions (W*H*D)	120mm×70mm×41.5mm		120mm×70mm×41.5mm			

Dimension drawing and terminal definition

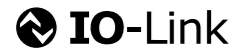


- IO-Link Version 1.1
- Transfer rate:COM2 (38.4 kBaud)
- IO-Link port: Class A
- Pluggable I/O terminal blocks



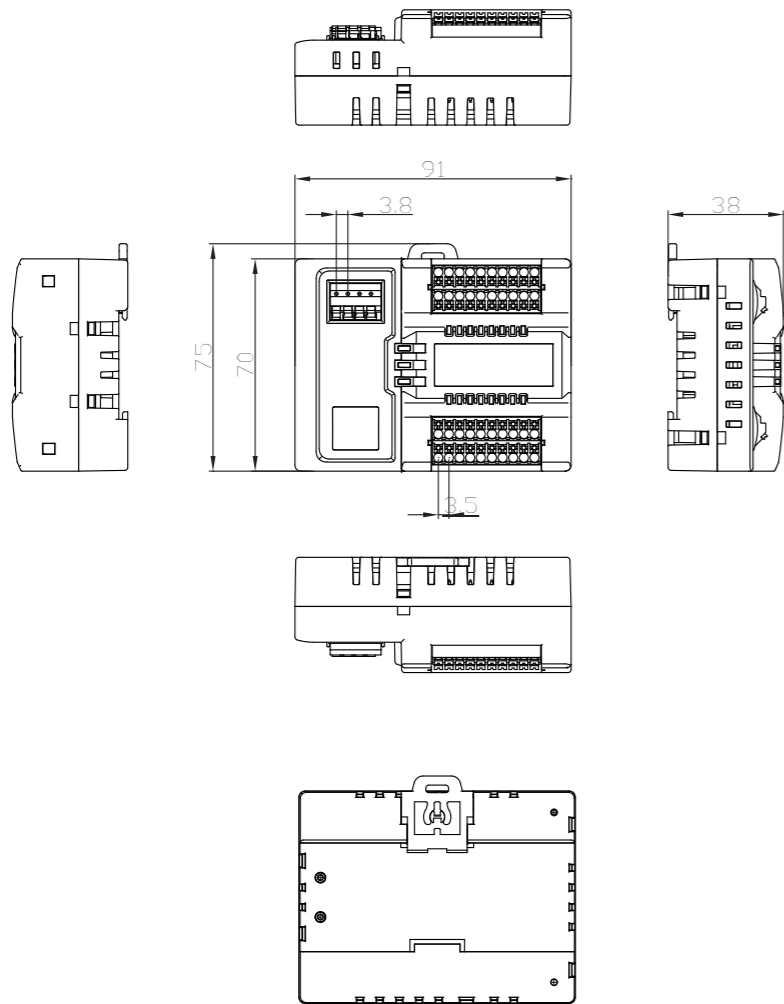
Ordering data						
Product Model	LKHA-1600P-QC	LKHA-1600P-TC	LKHA-0808P-QC	LKHA-0808P-TC	LKHA-0016P-QC	LKHA-0016P-TC
Description	16DI,PNP,interface 4-PIN M12	16DI,PNP,interface 4-Pos terminals	8DI/8DO,PNP,interface 4-PIN M12	8DI/8DO,PNP,interface 4-Pos terminals	16DO,PNP,interface 4-PIN M12	16DO,PNP,interface 4-Pos terminals
Product Model	LKHA-1600N-QC	LKHA-1600N-TC	LKHA-0808N-QC	LKHA-0808N-TC	LKHA-0016N-QC	LKHA-0016N-TC
Description	16DI,NPN,interface 4-PIN M12	16DI,NPN,interface 4-Pos terminals	8DI/8DO,NPN,interface 4-PIN M12	8DI/8DO,NPN,interface 4-Pos terminals	16DO,NPN,interface 4-PIN M12	16DO,NPN,interface 4-Pos terminals
Electrical connection						
IO-Link	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals
Power supply	Included in IO-Link interface		IO-LINK interface+Power supply terminals			
Input/Output	2× 10 position I/O terminal blocks,Push-in spring connection, Pluggable		2× 10 position I/O terminal blocks,Push-in spring connection,Pluggable			
Electrical data						
Input	16	16	8	8	—	—
Input supply current	Max 200mA per channel		Max 200mA per channel		—	—
Input delay	0.8ms,1.6ms,3.2ms or 20ms , Parameterizable configuration		0.8ms,1.6ms,3.2ms or 20ms ,Parameterizable configuration		—	—
Output	-	-	8	8	16	16
Output current	-	-	Max 500mA per channel			
Output type	-	-	Lamps, solenoidvalve, etc..			
Output frequency	-	-	Resistive load 100Hz, Inductive load 5Hz			
Diagnostics						
Communication status	LED indication, Communication message		LED indication, Communication message			
Voltage detection	LED indication		LED indication			
Short-circuit & Overload	LED indication		LED indication			
General data						
Protection Class	IP20		IP20			
Temperature	Operating -25...+70 °C, Storage -40...+85 °C		Operating -25...+70 °C, Storage -40...+85 °C			
Dimensions (W*H*D)	91mm×70mm×38mm		91mm×70mm×38mm			

- IO-Link Version 1.1
- Transfer rate:COM2 (38.4 kBaud)
- IO-Link port: Class A
- Pluggable I/O and Aux-plugs(24V and 0V) terminal blocks



Ordering data						
Product Model	LKHA-1600P-QA	LKHA-1600P-TA	LKHA-0808P-QA	LKHA-0808P-TA	LKHA-0016P-QA	LKHA-0016P-TA
Description	16DI,PNP,interface 4-PIN M12	16DI,PNP,interface 4-Pos terminals	8DI/8DO,PNP,interface 4-PIN M12	8DI/8DO,PNP,interface 4-Pos terminals	16DO,PNP,interface 4-PIN M12	16DO,PNP,interface 4-Pos terminals
Product Model	LKHA-1600N-QA	LKHA-1600N-TA	LKHA-0808N-QA	LKHA-0808N-TA	LKHA-0016N-QA	LKHA-0016N-TA
Description	16D,NPN,interface 4-PIN M12	16D,NPN,interface 4-Pos terminals	8DI/8DO,NPN,interface 4-PIN M12	8DI/8DO,NPN,interface 4-Pos terminals	16DO,NPN,interface 4-PIN M12	16DO,NPN,interface 4-Pos terminals
Electrical connection						
IO-Link	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals	1×M12 A-CODE 4-PIN, Male	1×4-Pos terminals
Power supply	Included in IO-Link interface		IO-LINK interface+Power supply terminals			
Input/Output	2× 10 position I/O terminal blocks+2×10 position Aux-plugs(24V and 0V) terminal blocks,Push-in spring connection,Pluggable					
Electrical data						
Input	16	16	8	8	—	—
Input supply current	Max 200mA per channel		Max 200mA per channel		—	—
Input delay	0.8ms,1.6ms,3.2ms or 20ms ,Parameterizable configuration		0.8ms,1.6ms,3.2ms or 20ms ,Parameterizable configuration		—	—
Output	-	-	8	8	16	16
Output current	-	-	Max 500mA per channel			
Output type	-	-	Lamps, solenoidvalve, etc..			
Output frequency	-	-	Resistive load 100Hz, Inductive load 5Hz			
Diagnostics						
Communication status	LED indication, Communication message		LED indication, Communication message			
Voltage detection	LED indication		LED indication			
Short-circuit & Overload	LED indication		LED indication			
General data						
Protection Class	IP20		IP20			
Temperature	Operating -25...+70 °C, Storage -40...+85 °C		Operating -25...+70 °C, Storage -40...+85 °C			
Dimensions (W*H*D)	91mm×70mm×38mm		91mm×70mm×38mm			

Dimension drawing and terminal definition



1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA-0808P-TC

2L	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	M	
No.	1	2	3	4	5	6	7	8	9	10

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - nc
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA1600P-TA

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	21	22	23	24	25	26	27	28	29	30

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	31	32	33	34	35	36	37	38	39	40

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA-0808P-TA

2L	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	M	
No.	1	2	3	4	5	6	7	8	9	10

M	M	M	M	M	M	M	M	M	M	
No.	21	22	23	24	25	26	27	28	29	30

M	M	M	M	M	M	M	M	M	M	
No.	31	32	33	34	35	36	37	38	39	40

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA0016P-QC

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	1	2	3	4	5	6	7	8	9	10

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - nc
3 - 1M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA1600P-QC

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	1	2	3	4	5	6	7	8	9	10

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

M	M	M	M	M	M	M	M	M	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA0016P-QA

2L	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	M	
No.	1	2	3	4	5	6	7	8	9	10

M	M	M	M	M	M	M	M	M	M	
No.	21	22	23	24	25	26	27	28	29	30

M	M	M	M	M	M	M	M	M	M	
No.	31	32	33	34	35	36	37	38	39	40

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA-0808P-QC

2L	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	M	
No.	1	2	3	4	5	6	7	8	9	10

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - nc
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA1600P-QA

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	1	2	3	4	5	6	7	8	9	10

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	21	22	23	24	25	26	27	28	29	30

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	31	32	33	34	35	36	37	38	39	40

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA0016P-TC

1L	i17	i18	i19	i20	i21	i22	i23	i24	M	
No.	1	2	3	4	5	6	7	8	9	10

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA-0808P-QA

2L	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	M	
No.	1	2	3	4	5	6	7	8	9	10

M	M	M	M	M	M	M	M	M	M	
No.	21	22	23	24	25	26	27	28	29	30

M	M	M	M	M	M	M	M	M	M	
No.	31	32	33	34	35	36	37	38	39	40

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - nc
3 - M GND(BU)
4 - C/Q(BK)

1L	i1	i2	i3	i4	i5	i6	i7	i8	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA1600P-TC

1L	i9	i10	i11	i12	i13	i14	i15	i16	M	
No.	1	2	3	4	5	6	7	8	9	10

1	2	3	4
---	---	---	---

1 - 1L 24V+(BN)
2 - 2L 24V+ (WH)
3 - M GND(BU)
4 - C/Q(BK)

M	M	M	M	M	M	M	M	M	M	
No.	1	2	3	4	5	6	7	8	9	10

LKHA0016P-TA

2L	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	M	
No.	1	2	3	4	5	6	7	8	9	10

M	M	M	M	M	M	M	M	M	M	
No.	21	22	23	24	25	26	27	28	29	30

M	M	M	M	M	M	M	M	M	M	
No.	31	32	33	34	35	36	37	38	39	40