

LKHA-1616N-QA

ARTICLE PROPERTIES

PRODUCT TYPE	IO-Link IP20 hubs-32 digital I/O modules
DESCRIPTION	16DI / 16DO, NPN, interface 4 Pin M12

ELECTRICAL CONNECTION

IO-LINK	1 × M12 A-CODE 4 Pin, Male	INPUT / OUTPUT	4 × 10 position I/O terminal blocks + 4 × 10 position Aux-plugs (24 V and 0 V) terminal blocks, Push-in spring connection, Pluggable
POWER SUPPLY	IO-Link interface + Power supply terminals (Us + Ua)		

ELECTRICAL PARAMETERS

INPUT CHANNELS	16	OUTPUT	16
INPUT SUPPLY CURRENT	Max. 200 mA per channel, sum 1.6 A	OUTPUT CURRENT	Max 500 mA per channel, sum 6 A
INPUT DELAY	0.8 ms, 1.6 ms, 3.2 ms or 20 ms, parameterizable configuration	OUTPUT TYPE	Lamps, solenoidvalve, etc.
		OUTPUT FREQUENCY	Resistive load 100 Hz, Inductive load 5 Hz
MODULE COMMUNICATION INDICATOR	Green LED	PROCESS DATA IN	2 bytes
POWER SUPPLY INDICATOR	Green LED	PROCESS DATA OUT	2 bytes
SIGNAL STATUS INDICATOR	Green LED		

DIAGNOSTICS

COMMUNICATION STATUS	LED indication, communication message	SHORT-CIRCUIT	LED indication
VOLTAGE DETECTION	LED indication	OVERLOAD	LED indication

FUNCTIONAL SAFETY

MTTF (40 °C)	91a
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GENERAL DATA

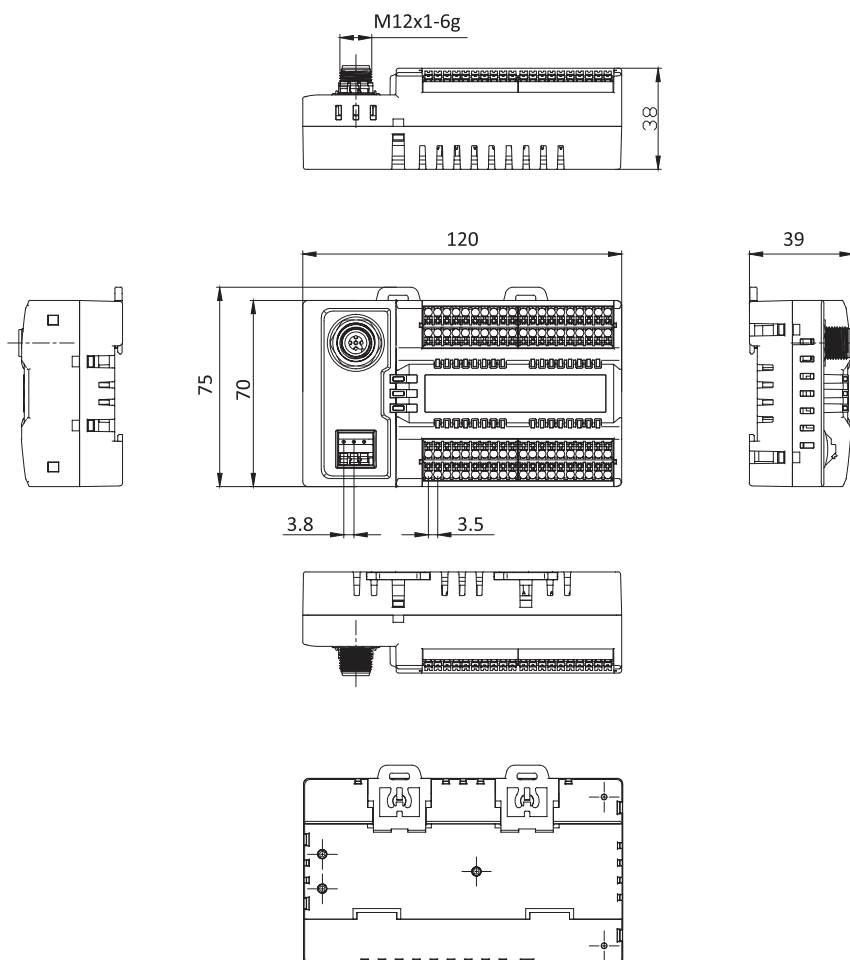
PROTECTION CLASS	IP20	OPERATING TEMPERATURE	-25 ... +70 °C
DIMENSIONS	120 × 70 × 39 mm	STORAGE TEMPERATURE	-40 ... +85 °C
WEIGHT	204.95 g		

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APPROVALS

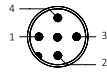


DIMENSIONS



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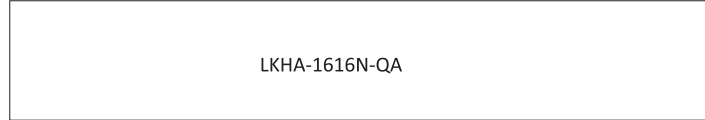
TERMINAL DEFINITION



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

24 V+	GND	PE
2L	2M	PE

1L	1L	1L	1L	1L	1M	1M	1M	1M	1M	1L	1L	1L	1L	1L	1M	1M	1M	1M	1M
1L	i1	i2	i3	i4	i5	i6	i7	i8	1M	1L	i9	i10	i11	i12	i13	i14	i15	i16	1M
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2L	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	2M	2L	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	2M
2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L

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