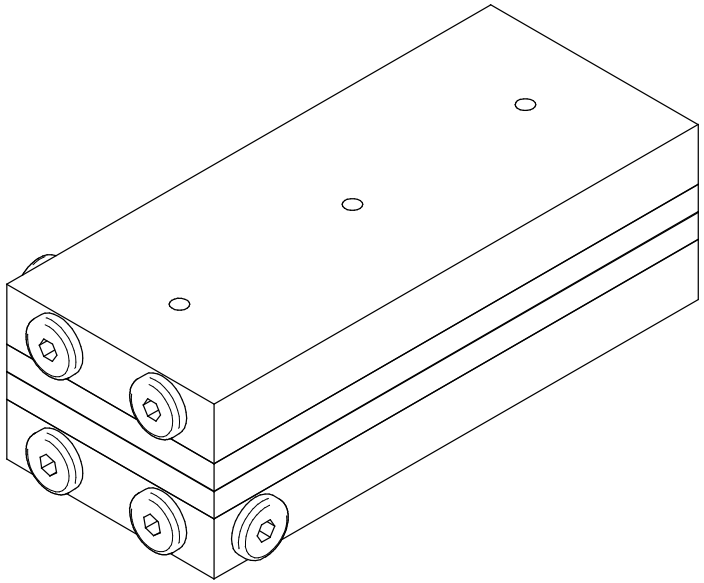
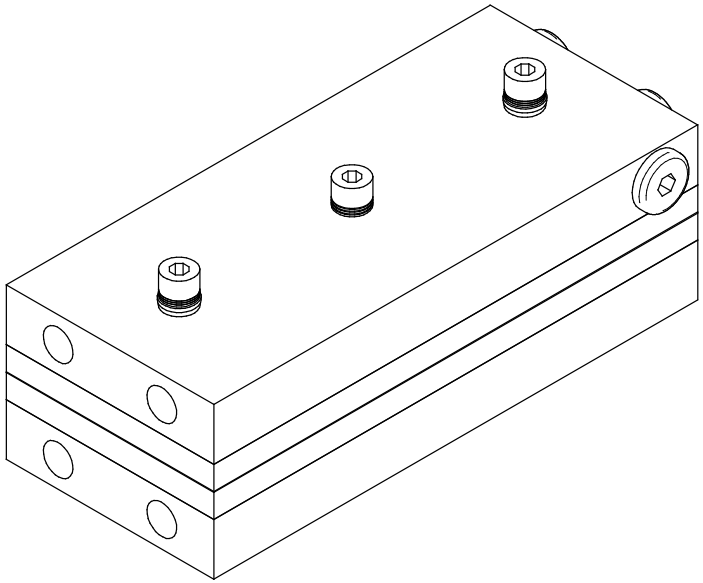
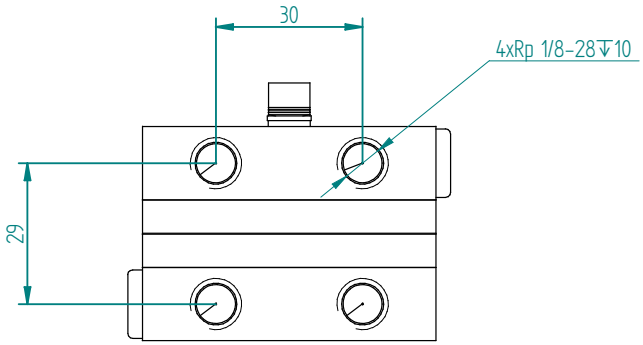




| Specification: (Ta=32°C) | Code: | Description: |
|---|---|---|
| Heat transfer, cold side: | L | Liquid |
| Heat transfer, warm side: | L | Liquid |
| Cascade: | – | |
| Cooling power: [W] | 120 | Calculated 136 W at dT=0°C. Tolerance: ±10%. |
| Voltage, nominal: [VDC] | 24 | 24 VDC. |
| TEM Voltage: [VDC] | | Nominal: 24 VDC, Max: 30 VDC. |
| TEM Current: [A] | | Nominal: 4.8 A, Initial: 5.2 A. All at dT=0°C. Tolerance: ±10%. |
| Fan(s), cold side: | 0 | None. |
| Fan(s), warm side: | 0 | None. |
| Temperature controller, sensor: | 0 | None. |
| Temperature control settings, trim options: | 0 | – |
| Additional controller information: | | |
| Temperature control position: | 0 | – |
| Options: | 0 | – |
| Overheating thermostat: | | 75°C ±5°C on hot side heat sink surface. Not wired in serie with TEMs. Use it to control a relay. |
| Operating temperature: | | Max. 62°C at nominal voltage. |
| TE-Module(s) temperature specification: | | Max. surface temperature: 80°C. |
| Enclosed: | | Turbolators fitted in liquid channels. 4 x L-PNIPP-6-1/8 |




For overheating protection the cooler is equipped with a bimetal thermostat. The maximum rating for the thermostat is 8 A DC. For systems with 8 A or less the thermostat can be connected directly in series with the ThermoElectric Modules (TEM:S). Otherwise connect the TEM:S to the power source through a relay of suitable rating which state is controlled with the bimetal thermostat.

Note:
Cooled liquid block needs to be isolated from air humidity to minimize risk for condensation and thermally insulated for best performance.

Hi-Pot tested 750VDC

| General tolerances: | First angle projection: | Dimension units: |
|---|---|---|
| SS-ISO 2768-1 v | | Metric: [mm] |

Comment / Deviations:
Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. RoHS-compliant.

| Designed by: | Checked by: | Approved by: | Release date: | Project: | Customer: |
|---|---|---|---|---|---|
| M.Nyman | C. Johansson | C.Johansson | 2011-10-20 | Standard | Laird Technologies |

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Web: www.lairdtech.com

Title: TE ASSEMBLY LIQUID - LIQUID 120,24VDC

| Part nr: | Rev. | Version: | Scale: | Size, sheet |
|---|---|---|---|---|
| LL-120-24-00-00-00 | 05 | – | 1:1 | A3, 1(4) |



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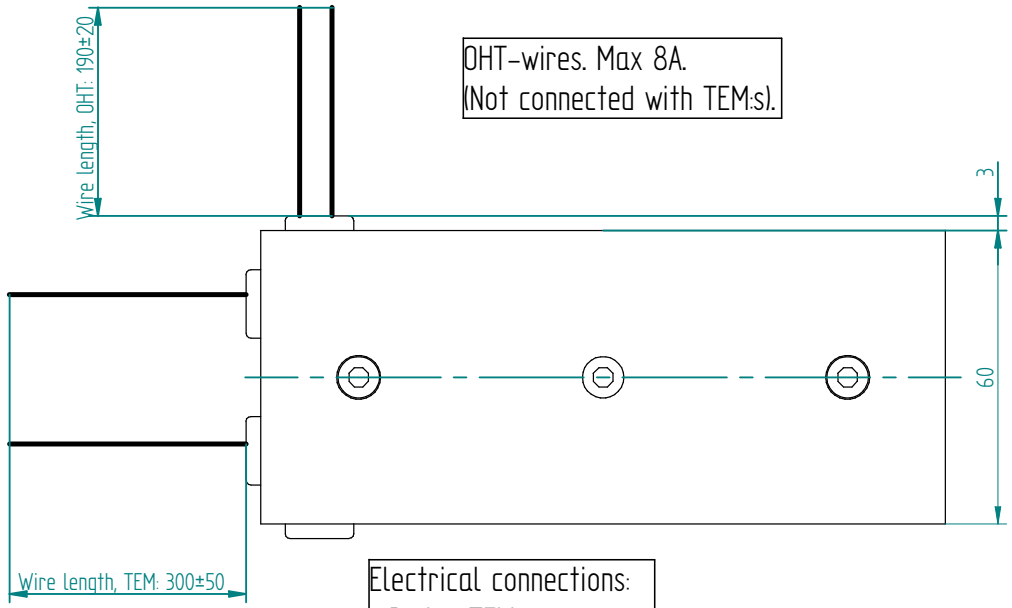
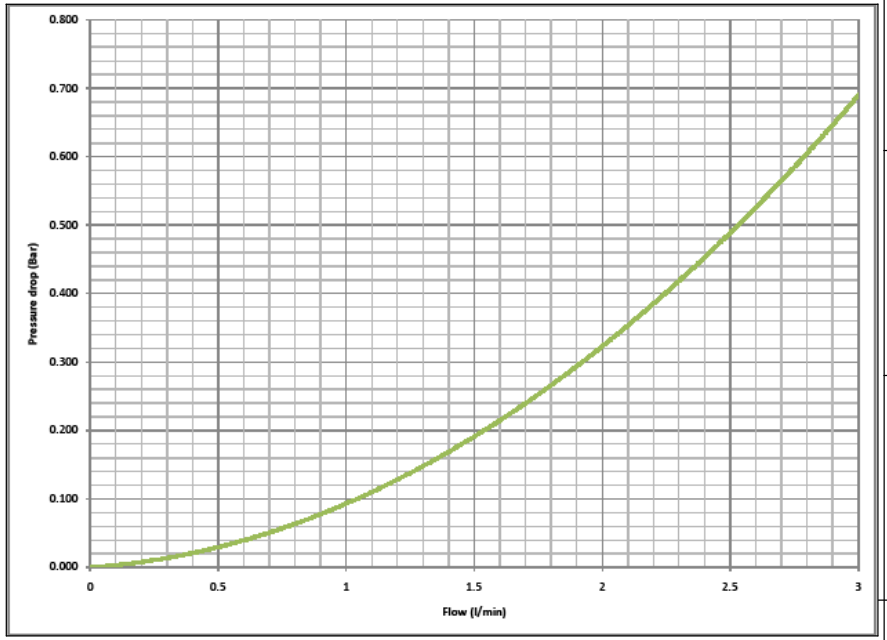
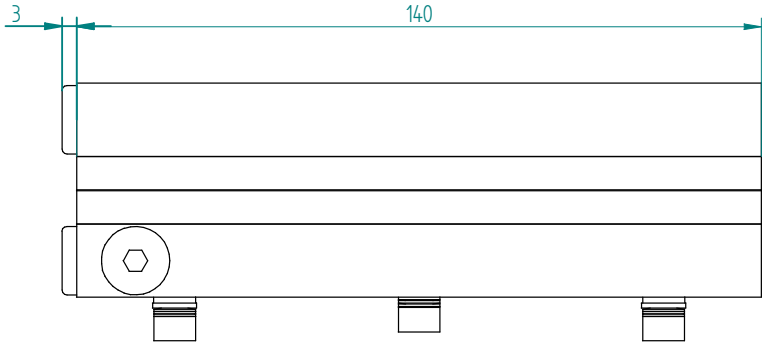


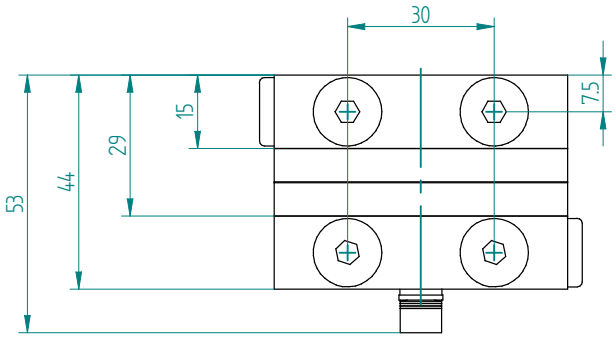

OHT-wires. Max 8A.
(Not connected with TEM:s).

Electrical connections:
Red: + TEM
Black: – TEM
AWG: 18

Typical Pressure – Flow behavior of liquid block assembly.
(for more information contact Laird Technologies customer service)




| General tolerances: | First angle projection: | Dimension units: |
|---|---|---|
| SS-ISO 2768-1 v | | Metric: [mm] |

Comment / Deviations:
Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. RoHS-compliant.

| Designed by: | Checked by: | Approved by: | Release date: | Project: | Customer: |
|---|---|---|---|---|---|
| M.Nyman | C. Johansson | C.Johansson | 2011-10-20 | Standard | Laird Technologies |

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Title: TE ASSEMBLY LIQUID – LIQUID 120,24VDC

| Part nr: | Rev. | Version: | Scale: | Size, sheet |
|---|---|---|---|---|
| LL-120-24-00-00-00 | 05 | – | 1:1 | A3, 2(4) |



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