

EN ISO 13849 Assessment Declaration

The EPC3000 has been assessed against the following standards:

- EN ISO 13849-1:2015 – Safety of Machinery – Safety Related Parts of Control Systems
- EN ISO 13849-2:2012 – Safety of Machinery – Safety Related Parts of Control Systems – Part 2: Validation

The results are shown in the following table.

| Key safety values | Value | Standard |
|--|------------------------|----------------|
| Performance Level (PL) ¹ | c | EN ISO 13849-1 |
| Diagnostic Coverage _{avg} | None | |
| Mean Time to Dangerous Failure (MTTFd) | 100 years ³ | |
| Category ² | 1 | |
| Maximum service life | 10 years | |

¹The Performance Level is defined for the safety function of the EPC3000. A process can be monitored via the PV inputs. In the event of a value being read outside of the acceptable band, the alarm relay will be activated.

²The EN ISO 13849-1 performance level (PL) and safety category (Cat) of the overall system depends on multiple factors, including the selected modules, wiring practices, the physical environment, and the application.

³For the level of assessment, 100 years is the maximum acceptable MTTFd which is exceeded by all modular variants of the EPC3000.

Signed:



Dated:

13th May 2019

Kevin Shaw
R&D Director
For an on behalf of Eurotherm Limited