

Supplement to the Quick Start for category 3 apparatus (Ex zone 2)

1.1 General

This supplement is valid for compact flowmeters: OPTIFLUX 1300 C, OPTIFLUX 2300 C, OPTIFLUX 4300 C, OPTIFLUX 5300 C and OPTIFLUX 6300 C, provided with marking (see label on flowmeter):



II 3G Ex nA [nL] IIC T4...T3

1.2 Installation Instructions for safe use

- Installation and connection of the flowmeter must be realised conform standard EN IEC 60079-14 ("Electrical Installations in hazardous areas, other than mines") or equivalent national standard.
- Connections to all terminals (mains supply L, N or L+, L- and signal in/outputs A, A-, A+, B, B-, C, C-, D and D-) can only be made when the flowmeter is not energised or when there is no explosive gas atmosphere surrounding the flowmeter.

Note: only the internal electrode circuit is constructed in type of protection EEx nL (energy limited), the signal in/outputs on terminals A, A-, A+, B, B-, C, C- and D, D- are not.

- Applied cable glands must have an IP degree to EN 60529 of at least IP65. The glands must be suitable for the type of cables used. E.g. the sealing ring must be suitable for the outer diameter of the cables.
- The temperature class T4 or T3, is dependent on ambient temperature T_a and maximum liquid or medium temperature T_m according to following table:

maximum T_m in °C	$T_a < 40$ °C	$40 \leq T_a < 50$ °C	$50 \leq T_a < 60$ °C
T4	130	130	60
T3	140	--	--

1.3 Serviceable parts

With exception of the mains fuse link, the IFC 300 electronic unit contains no serviceable parts. In case of replacement of the main fuse link, 5x20 mm fuse links to standard IEC 60 127-2, breaking capacity High, rated voltage 250 V, must be used:

Mains	Mains fuse link	KROHNE id.
100...230 VAC	0,8 A Time-lag (T800H250V)	5.08085.00.00
12...24 VDC	2,0 A Time-lag (T2H250V)	5.06020.00.00
24 VAC/DC	2,0 Time-lag (T2H250V)	5.06020.00.00