


TABLE 1 – ENTITY PARAMETERS

MODEL NUMBER	TERMINALS	$V_{max}(V)$	$I_{max}(mA)$	$P_{max}(W)$	GROUPS	$C_i (nF)$	$L_i (\mu H)$
F*-FT-Ex1.I.IEC, F*-FT-Ex1.D.IEC	red, black	24	280	1.93	A,B,C,D	0	0

\* = N, S, P, N1, S1, P1, N2, S2 or P2

- ① The Entity Concept allows interconnection of intrinsically safe and associated apparatus not specifically examined in combination as a system when the approved values of  $U_o$  (or  $V_{oc}$ ) and  $I_o$  (or  $I_{sc}$ ) for the associated apparatus are less than or equal to  $U_i$  (or  $V_{max}$ ) and  $I_i$  (or  $I_{max}$ ) for the intrinsically safe apparatus and the approved values of  $C_o$  (or  $C_a$ ) and  $L_o$  (or  $L_a$ ) for the associated apparatus are greater than  $C_i + C_{cable}$ ,  $L_i + L_{cable}$ , respectively for the intrinsically safe apparatus.
- ② Wiring methods must be in accordance with the electrical code of the country in use.
- ③ Exia designates the equipment as INTRINSICALLY SAFE / SÉCURITÉ INTRINSÈQUE
- ④ "FISCO Concept" Device. When used in a system as a "FISCO Concept Device", all other components of the system must be approved "FISCO Concept" Devices. The  $P_i$  load parameter is used with the FISCO model – see Associated apparatus control drawing for connection notes.
- ⑤ The surface to which these terminators are mounted must be bonded to earth ground; when the devices are connected to grounded shunt diode barriers, the ground must be at the same potential as the shunt diode barrier ground.
- ⑥ Models FN-FT-Ex1.D.IEC, FN1-FT-Ex1.D.IEC and FN2-FT-Ex1.D.IEC are also explosion proof and dust ignition proof and may be wired according to the explosion proof/dust-ignition proof techniques of the country in use.
- ⑦ Models FN-FT-Ex1.D.IEC, FN1-FT-Ex1.D.IEC and FN2-FT-Ex1.D.IEC are also suitable for use in Class II, Division 1, Groups E,F,G and Class III hazardous (classified) locations.

						Product Part No.		TitleF*—FT—Ex1.*.IEC CSA, NRTL			
						THIS DRAWING CONTAINS PROPRIETARY DATA. NO DISCLOSURE, REPRODUCTION, OR USE OF ANY PART MAY BE MADE EXCEPT BY WRITTEN PERMISSION.					
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