EUROTEC limit switch boxes - Comparison Table

							
Series	**i-box**	**wave**	**neptun**	**flex II**	**d-box**	**EUROBOX**	**big-box**
Highlight/USP	Time-saving assembly without mounting bracket	Our bestseller	For offshore applications	Large terminal space	for flameproof applications	For long, cylindrical sensors	For large sensors up to M30 and position switches acc. to DIN EN 50041
Housing materials	Polyamide or Vestamid	Polyamide or Vestamid or Aluminium	Stainless Steel	Copper-free Aluminium	Copper-free Aluminium or Stainless Steel	Polyamide	Aluminium
Bracket material	-	Polyamide or Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Ex protection device category	2G/2D	2G/2D	2G/2D	2G/2D	2G/2D	-	2G/2D
Ex ia	Zone 1, 2, 21, 22	Zone 1, 2, 21, 22	Zone 1, 2, 21, 22	Zone 1, 2, 21, 22	-	-	Zone 1, 2, 21, 22
Ex eb ia	-	-	-	Zone 1, 2, 21, 22	-	-	-
Ex db eb tb	-	Zone 1, 2, 21, 22	x	Zone 1, 2, 21, 22	-	-	-
Ex db tb	-	-	-	-	Zone 1, 2, 21, 22	-	-
Ex db ia tb	-	-	-	-	Zone 1, 2, 21, 22	-	-
Ex tb	-	Zone 21, 22	Zone 21, 22	Zone 21, 22	-	-	-
Ex ec tb	-	Zone 2, 21, 22	Zone 2, 21, 22	Zone 2, 21, 22	-	-	-
ATEX	x	x	x	x	x	x	x
IECEX	x	x	x	x	x	x	x
EAC	x	x	x	x	x	x	x
EAC Ex	x	x	x	x	x	-	-
CCC	x	x	x	x	x	-	-
SIL	x	x	x	x	x	x	x
Visual indicators (Standard)	OPEN-CLOSED (black-yellow)	2D	Open-Closed below the housing (black-yellow)	Open-Closed below the housing (black-yellow)	Open-Closed below the housing (black-yellow)	2D	Open-Closed below the housing (black-yellow)
Visual indicators (optional)	2D, 2DL, 2DT GR (OPEN-CLOSED green-red) 180° LED	2DL, 2DT 3D, 3DL, 3DT 3D1 (OPEN-CLOSED black-yellow) 3D1GR (OPEN-CLOSED green-red) LED	-	2D, 2DL, 2DT 3D, 3DL, 3DT 3D1 (OPEN-CLOSED black-yellow) 3D1GR (OPEN-CLOSED green-red)	-	2DL, 2DT 3D, 3DL, 3DT 3D1 (OPEN-CLOSED black-yellow) 3D1GR (OPEN-CLOSED green-red)	-
Ambient temperature acc. to area of application		Note: High & low temperature applications only in aluminium (EAE) SIL valid down to -40 °C	Note: SIL valid down to -40 °C	Note: SIL valid down to -40 °C	Note: SIL valid down to -40 °C		Note: SIL valid down to -40 °C
Standard	-25°C ... +80°C	-55°C/-40°C/-25°C ... +80°C/+120°C	-55°C/-40°C/-25°C ... +80°C/+120°C	-55°C/-40°C/-25°C ... +80°C/+120°C	-	-25°C ... +80°C	-55°C/-40°C/-25°C ... +80°C/+120°C
Ex ia	-25°C ... +70°C	-55°C/-40°C/-25°C ... +70°C	-55°C/-40°C/-25°C ... +70°C/80°C/100°C	-55°C/-40°C/-25°C ... +70°C/+80°C/+100°C	-	-	-55°C/-40°C/-25°C ... +70°C
Ex eb ia	-	-	-	-55°C/-25°C ... +40°C/+60°C/+75°C	-	-	-
Ex de tb	-	-55°C/-40°C/-20°C ... +40°C/+60°C	-55°C/-25°C ... +40°C/+60°C/+75°C	-55°C/-25°C ... +40°C/+60°C/+75°C	-	-	-
Ex db tb	-	-	-	-	-55°C/-25°C ... +75°C	-	-
Ex db ia tb	-	-	-	-	-50°C/-25°C ... +75°C	-	-
Ex tb	-	-40°C/-20°C ... +40°C/+60°C	-55°C/-25°C ... +40°C/+60°C/+75°C	-55°C/-25°C ... +40°C/+60°C/+75°C	-	-	-
Ex ec tb	-	-40°C/-20°C ... +40°C/+60°C	-55°C/-25°C ... +40°C/+60°C/+75°C	-55°C/-25°C ... +40°C/+60°C/+75°C	-	-	-
Number of cable glands/ cable entries (Standard)	1	1	1	1	3	1	1
Number of cable glands/ cable entries (Maximum)	2	4	2	4	3	2	4