smartBOX | Couple

Nema 3R and IP-65 Wellhead Junction Boxes

OILDYNAMICS
Lifting Energy

smartBOX | Couple – a robust junction box designed to seamlessly connect high-power surface and downhole equipment. Engineered for high-power applications, it ensures reliable energy transmission, secure connections, and simplified integration. Available in NEMA 3R for standard environments and IP-65 (IEC Ex) for hazardous locations.





FULL DESCRIPTION	Wellhead Junction Box, Vent Box, Nema 3R, 5kV, 140A, CS	Wellhead Junction Box, Junction Box, IP-65, 7.2kV, 140A, SS, Ex
TYPE	Vent Box	Junction Box, Ex Marking IEC Ex, Exe IIC T5 with M20 purge valve
RATED VOLTAGE, V	5	7.2
RATED CURRENT, A	140	140
DIMENSIONS, mm	406H×406W×203D	600H×500W×275D
WEIGHT, kg	15	25
RATING	Nema 3R / Outdoor	IP-65 / Outdoor
MATERIAL	Carbon Steel	304 Stainless Steel 1.4301 EN10088
COLOR	ASA 61 Grey	Stainless Steel
CONNECTORS	Twin Mechanical Lug for max 250MCM	Twin Mechanical Lug for max #6-250 kcmil, Al/Cu Rated, Tin plated + 4× external welded lugs with diameter 11 mm
GLAND OPENINGS	2×47mm (1-7/8”)	Without, needs to be performed during installation
MOUNTING	Exterior mounting	

smartBOX Sb 3R

smartBOX Sb IP65

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Accessories

CABLE GLAND + LOCK NUT SPECIFICATION	CABLE SIZE AND TYPE
104297 Cable Gland, M63, Armored Cable, EX 102464 Cable Gland, Lock Nut M63	#2 Upper Pigtail cable
104299 Cable Gland, M75, Armored Cable, EX 104302 Cable Gland, Lock Nut M75	#1 Upper Pigtail cable
104296 Cable Gland, M50s, Armored Cable, EX 104301 Cable Gland, Lock Nut M50	#1 or #2 TECK 90 Surface Cable



Robust Connections. Smooth Operations.

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smartBOX Sb IP65

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