EX-JBO1

316L Ex e termination box for EX cameras

DESCRIPTION

Robust and corrosion-free Ex e junction box for connecting the EX-FIX and EX-PTZ camera series. The EX-JBO1 was formally known as "Ex e Termination Box".

FEATURES

- 316L corrosion free stainless steel junction box
- ATEX certified: II 2G Ex e IIC T6 Gb
- Termination for power, washer, Ethernet, FO cable (optional)
- Suited for onshore, offshore, marine, and heavy industry
- Robust and easy to install



Description

The Siqura EX-JB01 is an Ex e junction box for EX-FIX and EX-PTZ camera stations for use in onshore, offshore, marine and heavy industrial environments.

Construction

The junction box is constructed from 316L stainless steel for maximum corrosion protection and has integrated terminals for power, Ethernet, and washer control. The terminal box is prepared with 5x M25 gland entries, one is fitted with a blind-plug, and is IP66 rated.

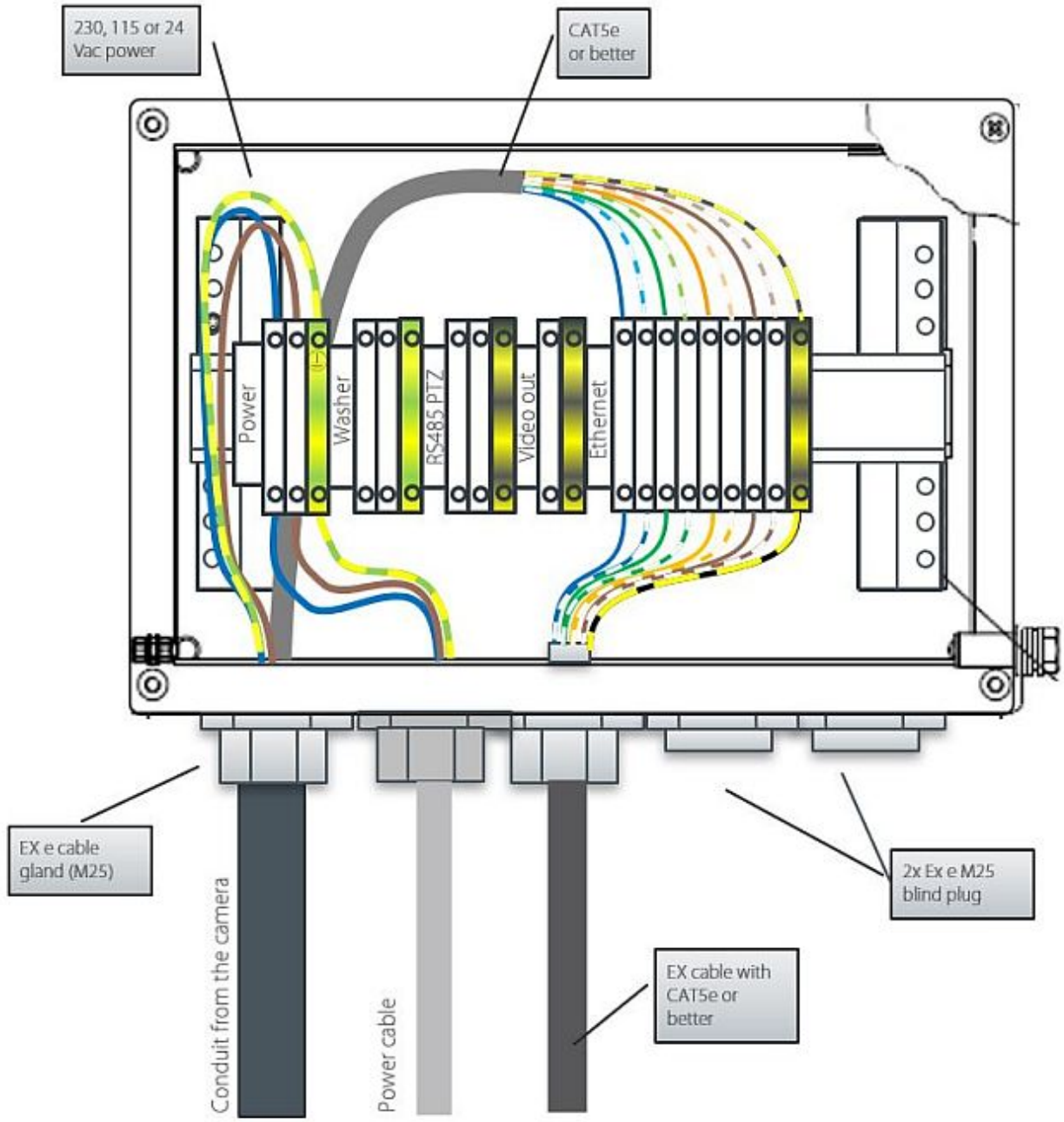
EX-FTK01 Fiber optic termination option

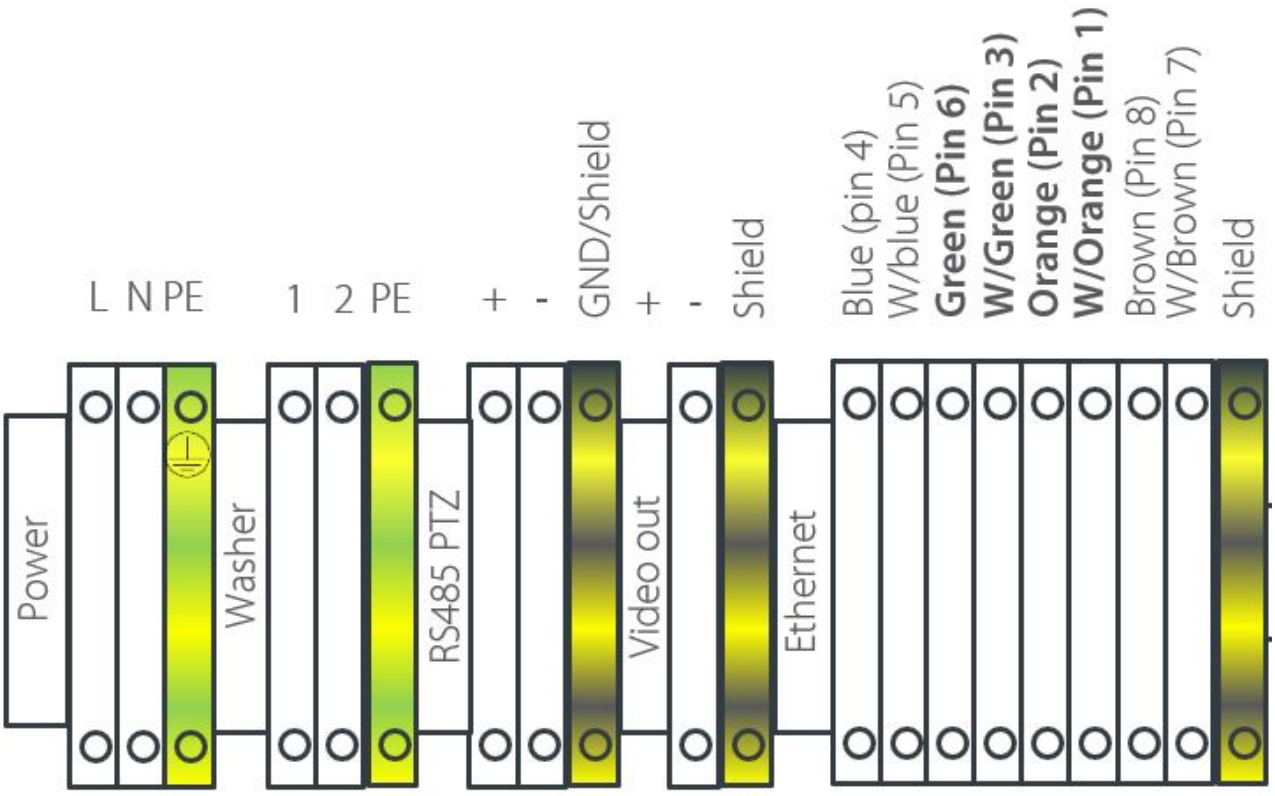
With the optional EX/SA-FTK01-2SM or -2MM (formally known as “Fiber Termination Kit”) the Ex e junction box can be made ready for direct to fiber connections.

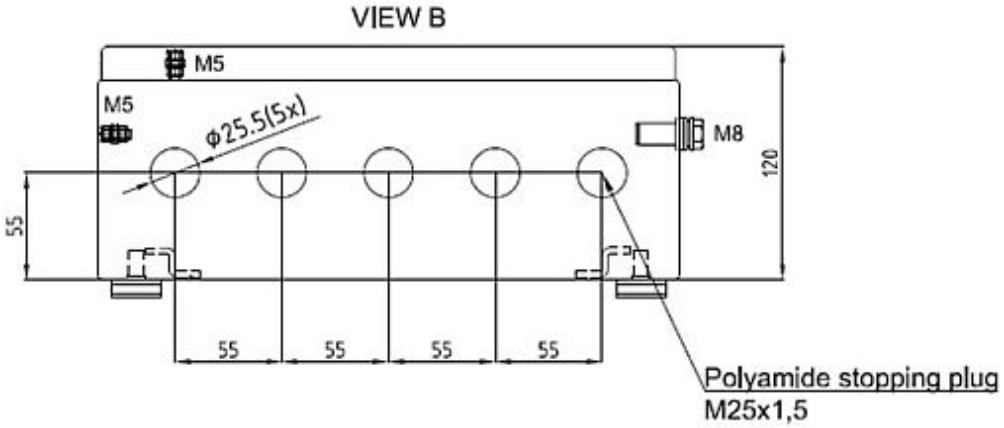
Terminal box housing	
Application	Harsh offshore and marine environments
Ingress protection rating	IP66
Certification	ATEX,
	Ex II 2 G, Ex e IIC T6 Gb Tamb:-20°C to +40 °C
	Ex II 2 G, Ex e IIC T5 Gb Tamb:-20°C to +55 °C
	Ex II 2 G, Ex e IIC T4 Gb Tamb:-20°C to +70 °C

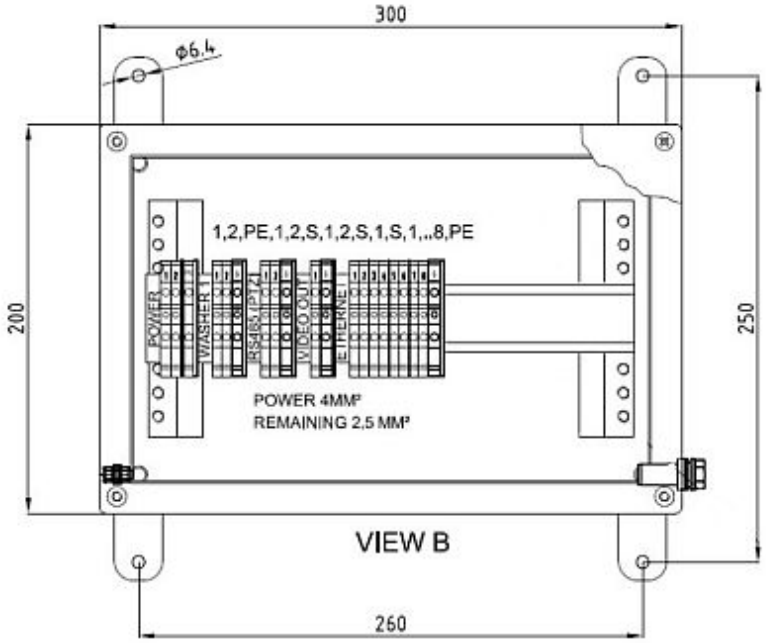
Mechanical	
Material	316L stainless steel
Dimensions	Width 300 mm, height 200 mm, depth 120 mm
Weight	4 kg (9 lbs)
Gland entries	5 x M25 (bottom side)
Terminals	Weidmller WP series:
- Power (L, N, and all PE)	M 4
- Remaining	M 2.5

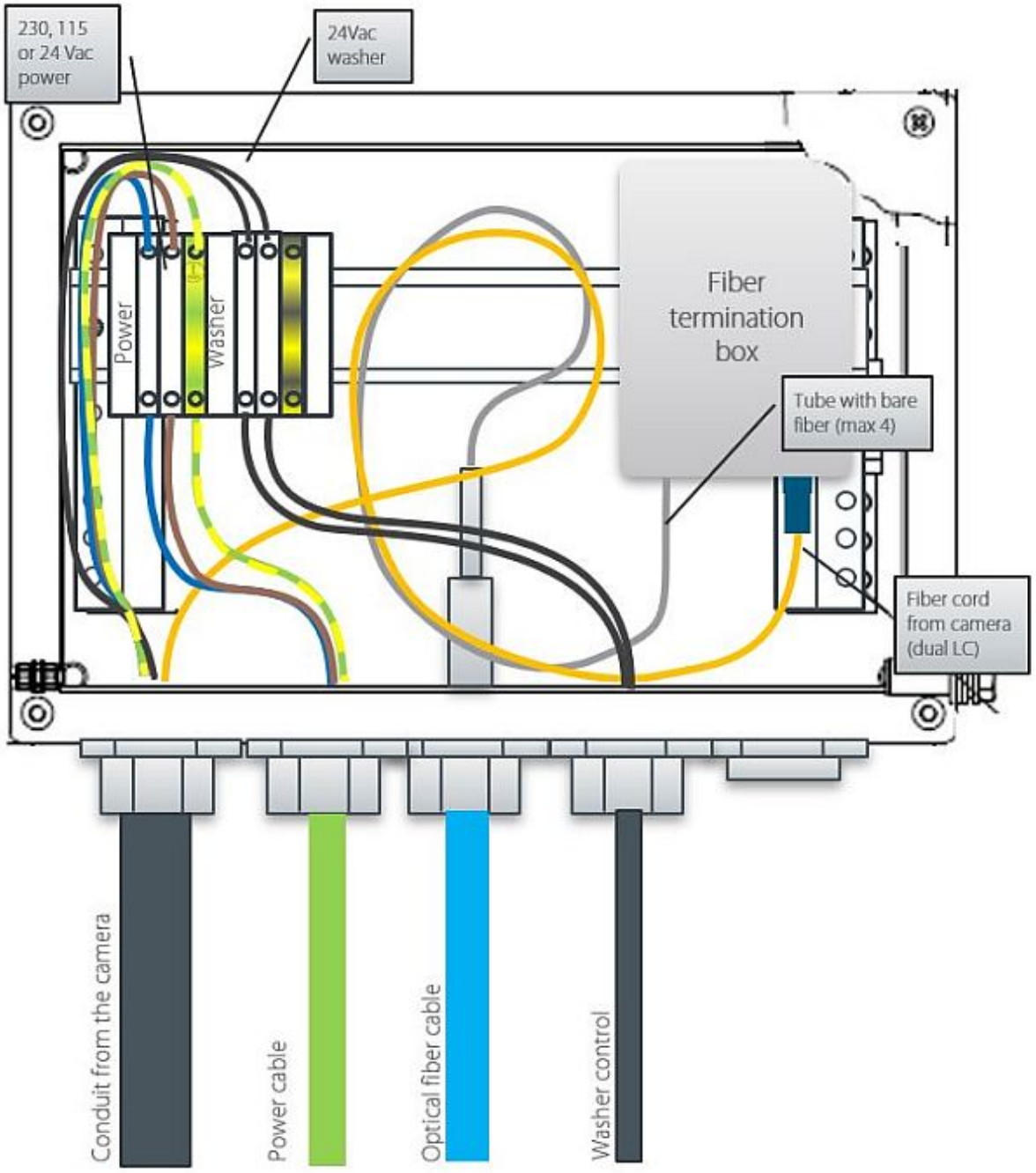
Ordering information	
EX-JB01	316L Ex e termination box for Ex cameras
EX/SA-FTK01-2SM	DIN-rail Fiber Optic Cable Termination Kit for SM (Dual SC and LC)
EX/SA-FTK01-2MM	DIN-rail Fiber Optic Cable Termination Kit for MM 2x SC


230, 115 or 24
Vac power
CAT5e
or better
Power
Washer
RS485 PTZ
Video out
Ethernet
EX e cable
gland (M25)
2x Ex e M25
blind plug
EX cable with
CAT5e or
better
Conduit from the camera
Power cable

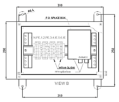

L N PE
1 2 PE
+ -
GND/Shield
+ -
Shield
Blue (pin 4)
W/blue (Pin 5)
Green (Pin 6)
W/Green (Pin 3)
Orange (Pin 2)
W/Orange (Pin 1)
Brown (Pin 8)
W/Brown (Pin 7)
Shield
Power
Washer
RS485 PTZ
Video out
Ethernet


VIEW B
M5
M5
ϕ25.5(5x)
M8
120
55
55
55
55
55
Polyamide stopping plug
M25x1,5


300
ϕ6.4
200
250
1,2,PE,1,2,S,1,2,S,1,S,1,..8,PE
POWER
WASHER 1
RS485 (P,P,G)
VIDEO OUT
ETHERNET 1
POWER 4MM²
REMAINING 2,5 MM²
VIEW B
260


230, 115
or 24 Vac
power
24Vac
washer
Power
Washer
Fiber
termination
box
Tube with bare
fiber (max 4)
Fiber cord
from camera
(dual LC)
Conduit from the camera
Power cable
Optical fiber cable
Washer control

RELATED



Siqura EX/SA-FTK01
DIN-rail Fiber Optic Cable Termination Kit for SM or MM fiber