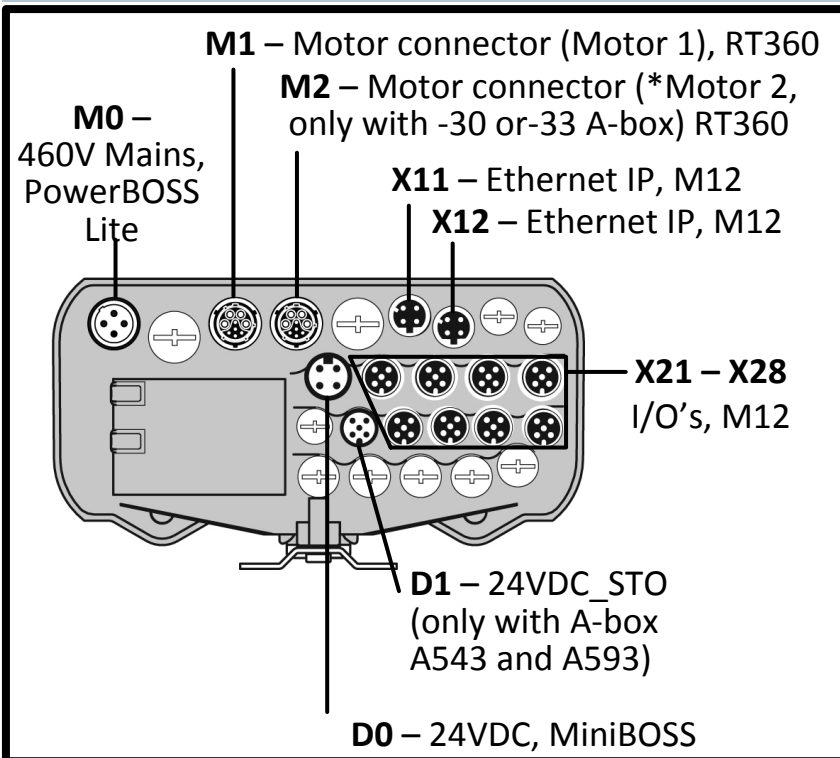


MOVIFIT® FC – Amphenol Cables



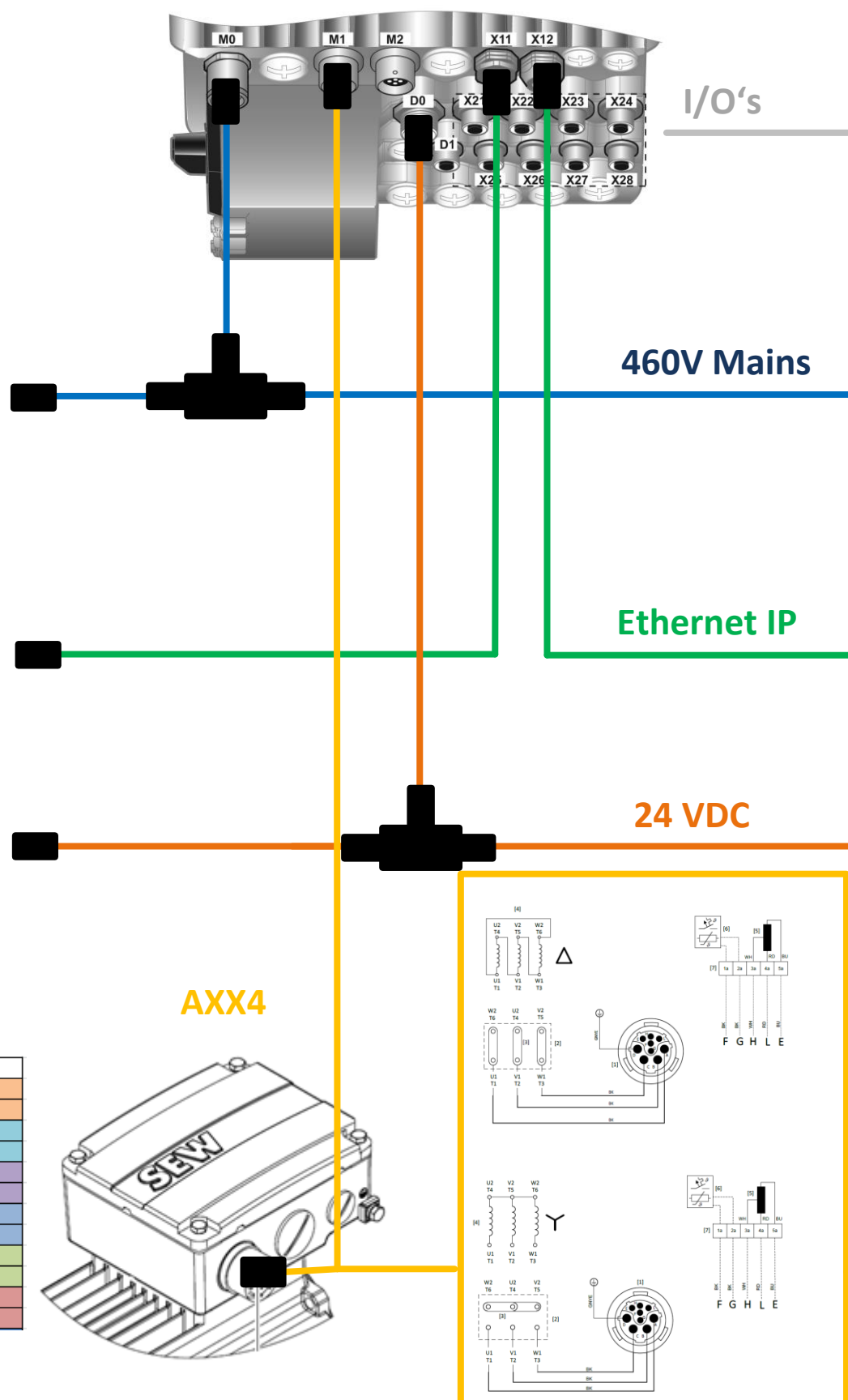
* -30 = Dual Motor Operation
 -33 = Two Motor Group Drive

M35 PowerBOSS Lite, 4 Pin, Tee, Black
 M35 – M35 – M35, Part No. P28964

M22 miniBOSS, 4 Pin, Tee, Yellow
 M22 – M22 – M22, Part No. P29310

SEW – Nomenclature – A-box

A-box type	FC	460V	Motor	24V	Safety
MTA11A-503-A553-M11-00	FC	Power Boss	1 x RT360	MiniBoss P S C	
MTA11A-503-A553-M12-00	FC	Power Boss	1 x RT360	MiniBoss P S C	
MTA11A-503-A523-M11-30	FC	Power Boss	2 x RT360	MiniBoss P S C	
MTA11A-503-A523-M12-30	FC	Power Boss	2 x RT360	MiniBoss P S C	
MTA11A-503-A523-M11-33	FC	Power Boss	2 x RT360	MiniBoss P S C	
MTA11A-503-A523-M12-33	FC	Power Boss	2 x RT360	MiniBoss P S C	
MTA11A-503-A593-M11-00	FC	Power Boss	1 x RT360	MiniBoss S C	M12 P
MTA11A-503-A593-M12-00	FC	Power Boss	1 x RT360	MiniBoss S C	M12 P
MTA11A-503-A543-M11-30	FC	Power Boss	2 x RT360	MiniBoss S C	M12 P
MTA11A-503-A543-M12-30	FC	Power Boss	2 x RT360	MiniBoss S C	M12 P
MTA11A-503-A543-M11-33	FC	Power Boss	2 x RT360	MiniBoss S C	M12 P
MTA11A-503-A543-M12-33	FC	Power Boss	2 x RT360	MiniBoss S C	M12 P



MicroBOSS M12, Single Ended, Female, Straight, 4 Pin
 Part No. MC44AC05Mxxx

MicroBOSS M12, Single Ended, Male, Straight, 4 Pin
 Part No. MC47AC05Mxxx

MicroBOSS M12, Double Ended, 4 Pin, F/M Straight
 Part No. MC47A4AC05Mxxx

M35 PowerBOSS Lite, 4 Pin, M/F, 10 AWG, TC-ER/STOOW, PVC Jacket, Part No. C-P28976-Mxxx

M35 PowerBOSS Lite, 4 Pin, 10 AWG, TC-ER/STOOW, PVC Jacket
 Male: Part No. C-P28992-Mxxx
 Female: Part No. C-P28996-Mxxx

Ethernet, Male M12 Inline Straight to RJ45, TPE Jacket, CAT 5E, 24 AWG, 2 pair Teal
 Part no. P29998-Mxxx

MiniBOSS, 4 PIN, 16 AWG Male Inline, Female Plug
 Part no. MN47A4ACO1Mxxx

MiniBOSS, 4 PIN, 16 AWG Female Plug Straight
 Part No. MN44AC01Mxxx

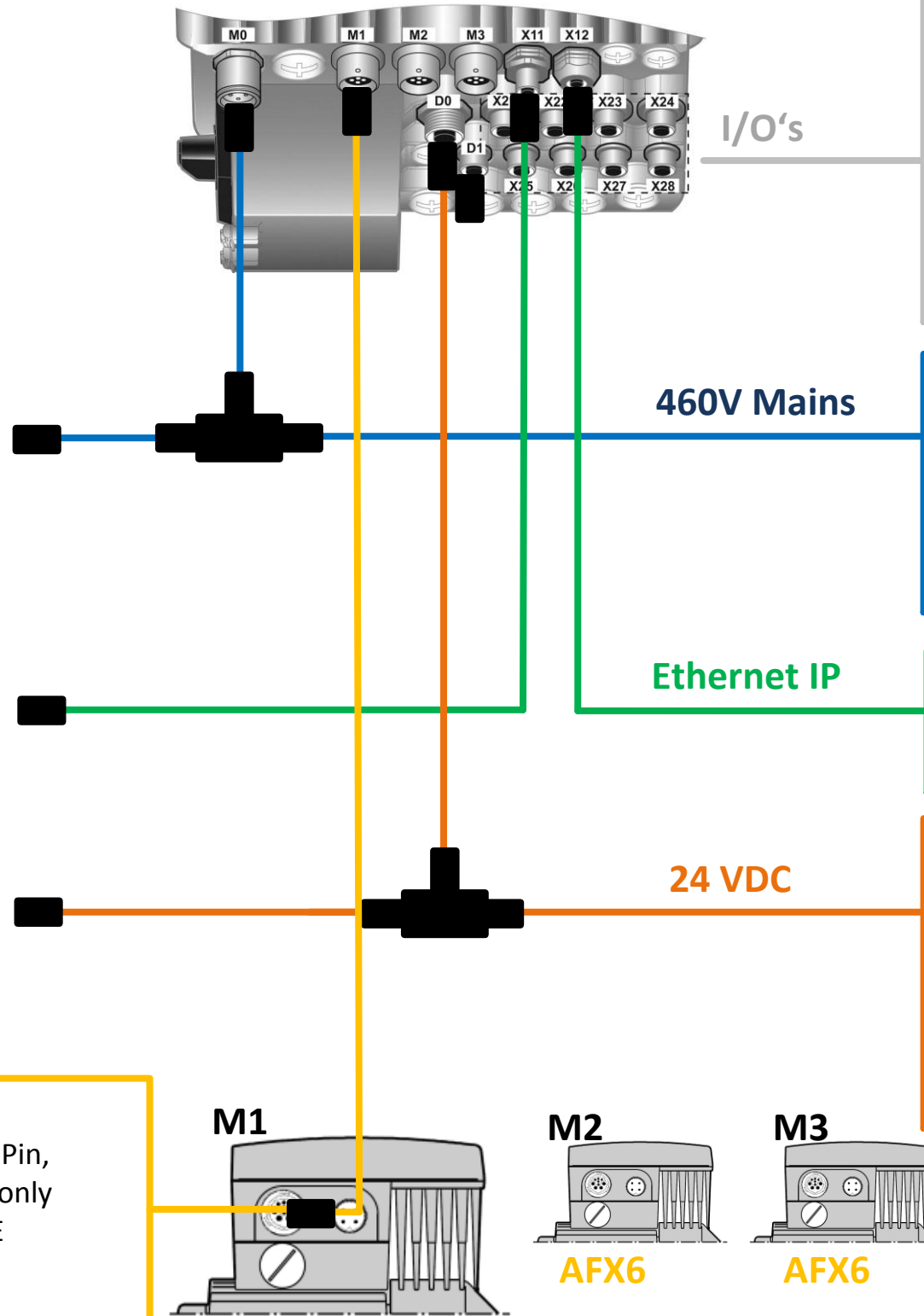
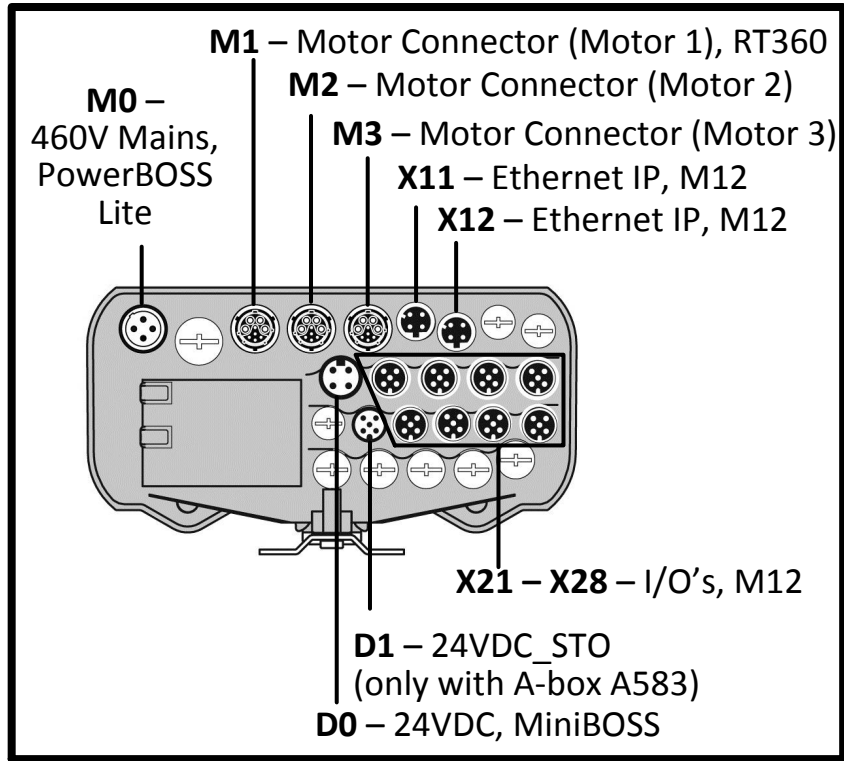
MiniBOSS, 4 PIN, 16AWG Male Plug Straight
 Part No. MN43AC01Mxxx

FC Cable Assembly: Key „W“

VersaBOSS RT360 9 Pin, M/F, Hi-Flex, TC-ER only
 Part No. C-P30538-E

VersaBOSS RT360 9 Pin, Single Ended, Hi-Flex, TC-ER only
 Male: Part No. C-P30710-E
 Female: Part No. C-P30711-E

MOVIFIT® MC – Amphenol Cables



MicroBOSS M12, Single Ended, Female, Straight, 4 Pin
Part No. MC44AC05Mxxx

MicroBOSS M12, Single Ended, Male, Straight, 4 Pin
Part No. MC47AC05Mxxx

MicroBOSS M12, Double Ended, 4 Pin, F/M Straight
Part No. MC47A4AC05Mxxx

M35 PowerBOSS Lite, 4 Pin, M/F, 10 AWG, TC-ER/STOOW, PVC Jacket, Part No. C-P28976-Mxxx

M35 PowerBOSS Lite, 4 Pin, 10 AWG, TC-ER/STOOW, PVC Jacket
Male: Part No. C-P28992-Mxxx
Female: Part No. C-P28996-Mxxx

Ethernet, Male M12 Inline Straight to RJ45, TPE Jacket, CAT 5E, 24AWG, 2 Pair Teal
Part no. P29998-Mxxx

MiniBOSS, 4 PIN, 16 AWG Male Inline, Female Plug
Part no. MN47A4ACO1Mxxx

MiniBOSS, 4 PIN, 16 AWG Female Plug Straight
Part No. MN44AC01Mxxx

MiniBOSS, 4 PIN, 16AWG Male Plug Straight
Part No. MN43AC01Mxxx

M35 PowerBOSS Lite, 4 Pin, Tee, Black
M35 – M35 – M35, Part No. C-P28964

M22 MiniBOSS, 4 Pin, Tee, Yellow
M22 – M22 – M22, Part No. P29310

MC Cable Assembly: Key „N“

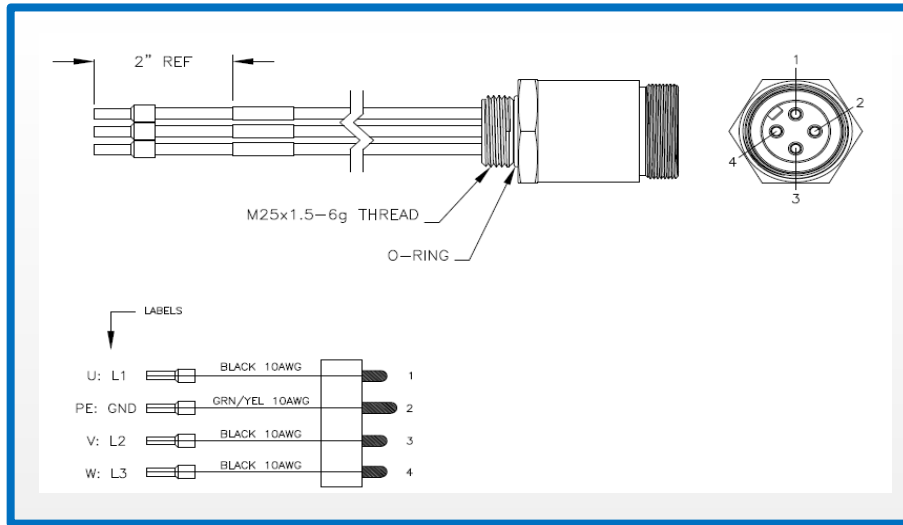
VersaBOSS RT360 9 Pin, M/F, Hi-Flex, TC-ER only
Part No. C-P30165-E

VersaBOSS, RT360 9 Pin, Single Ended, Hi-Flex, TC-ER only
Male: Part No. C-P30552-E
Female: Part No. C-P30553-E

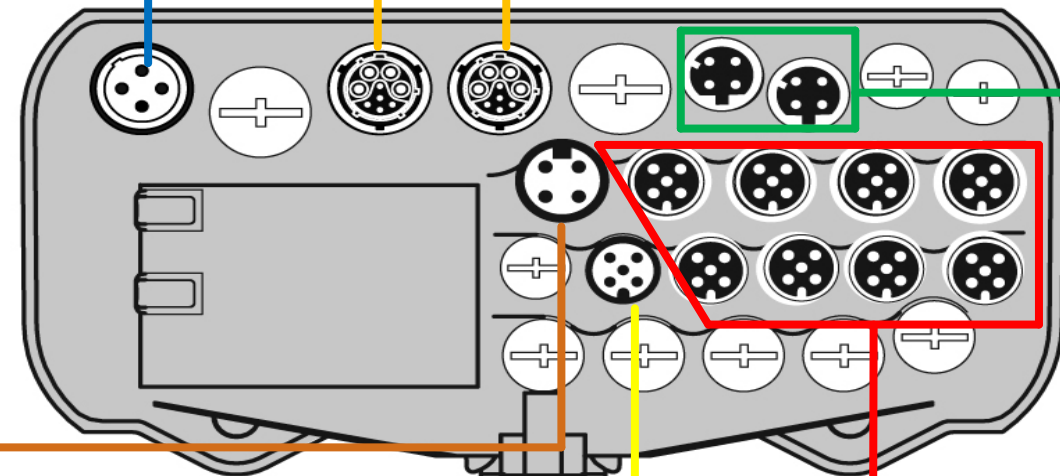
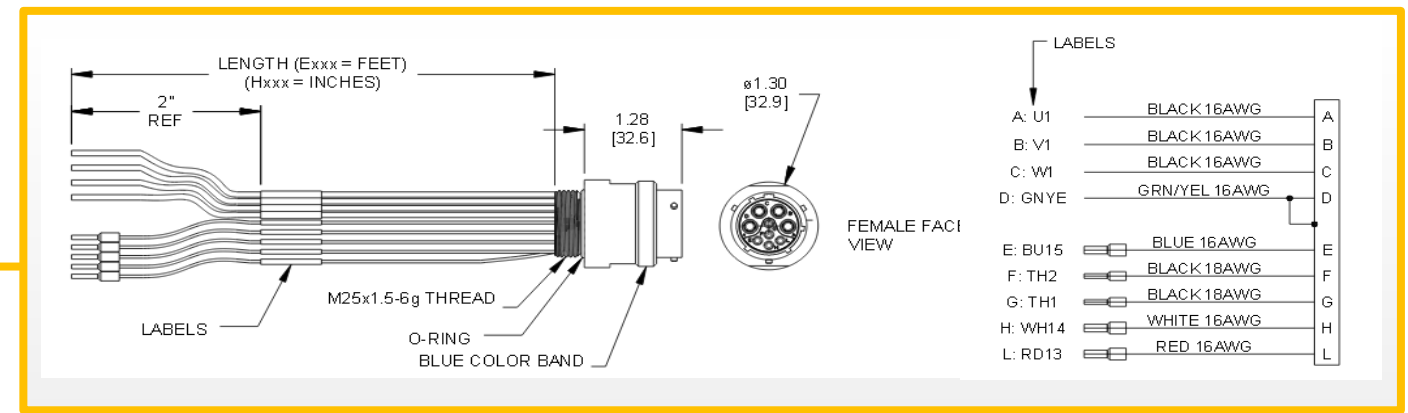
SEW – Nomenclature for A-box

A-box type	460V	Motor	24V	Safety
	M0	M1-M3	D0	D1
MTA11A-503-A513-M15-00	PowerBOSS Lite	3 x RT360	MiniBoss_P_S_C	
MTA11A-503-A583-M15-00	PowerBOSS Lite	3 x RT360	MiniBoss_S_C	M12_P

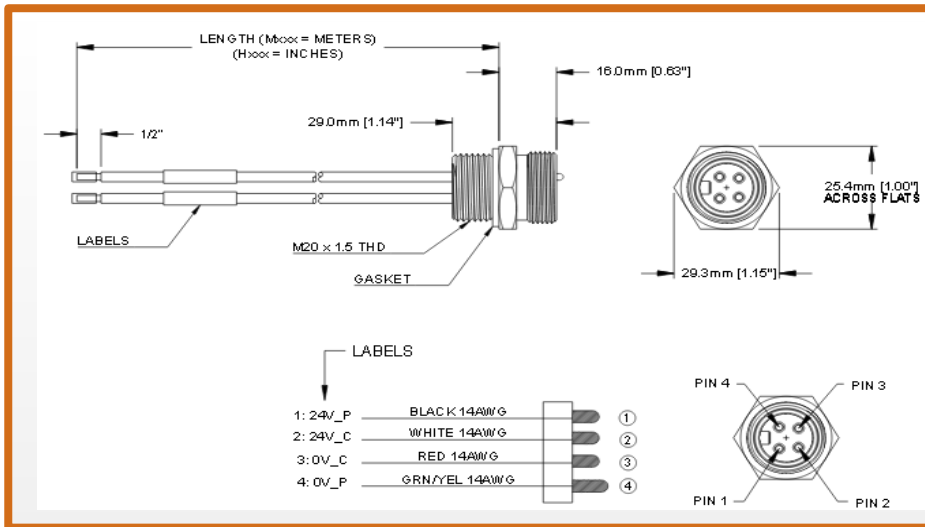
M0 – 460 V Mains Power Connector



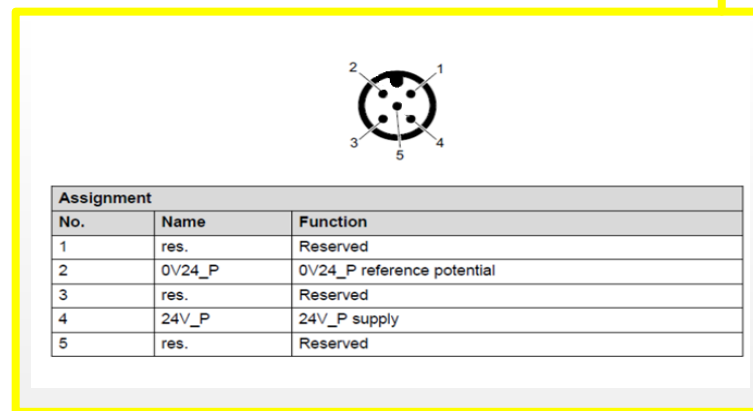
M1, M2, – Motor Connector (Motor 1,2)



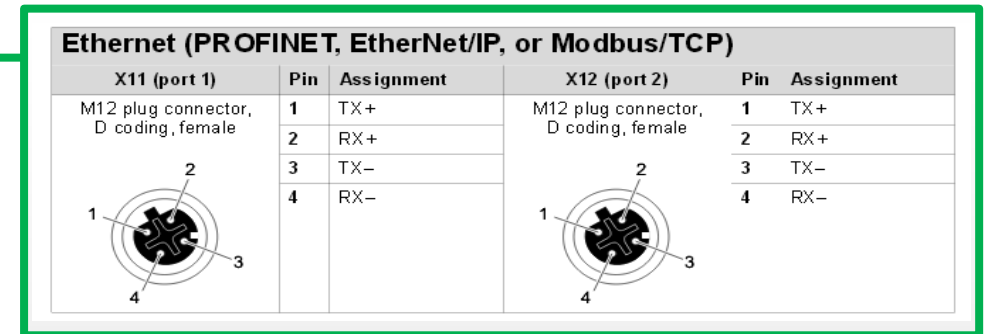
D0 –24VDC Connector



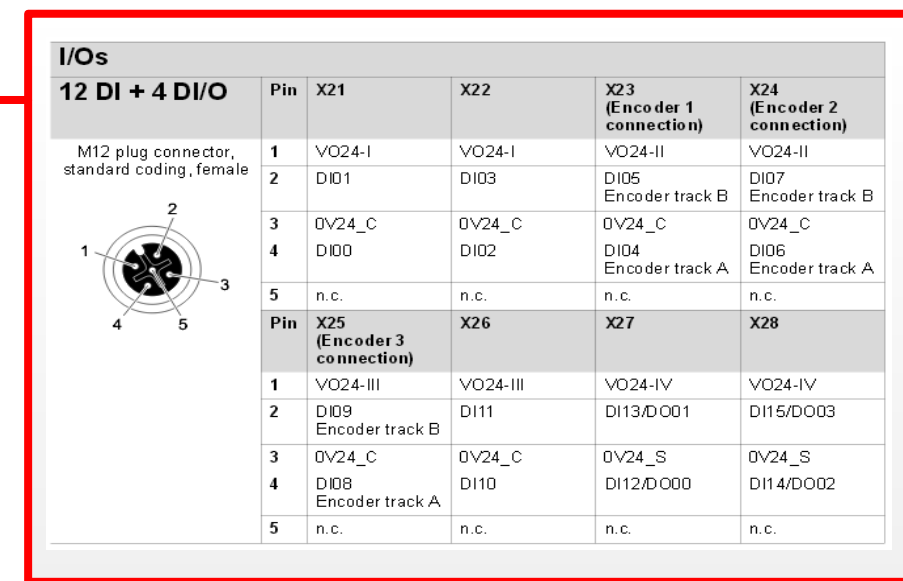
**D1 - M12,
24VDC Safety Connector**



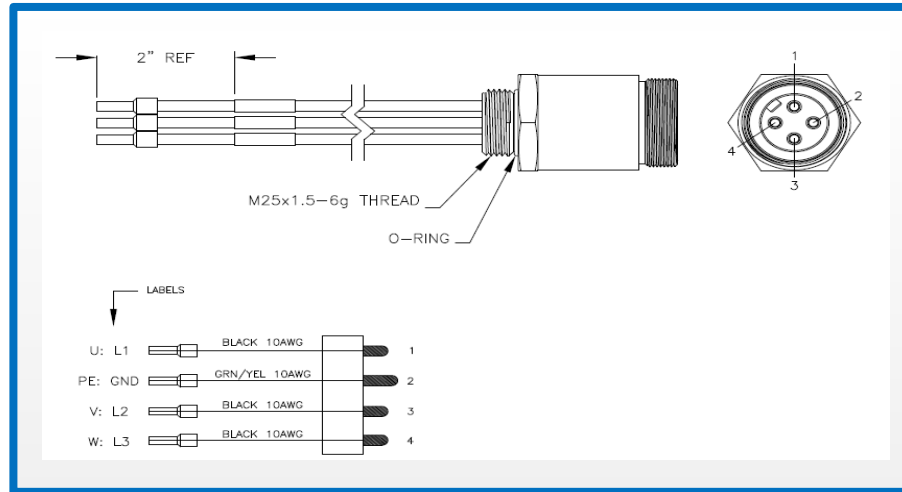
X11-X12 Ethernet IP Connectors



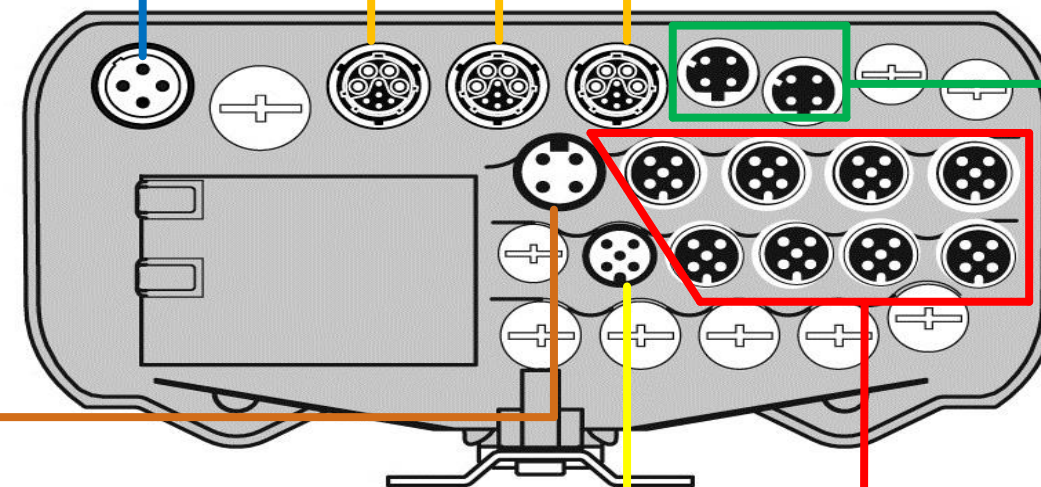
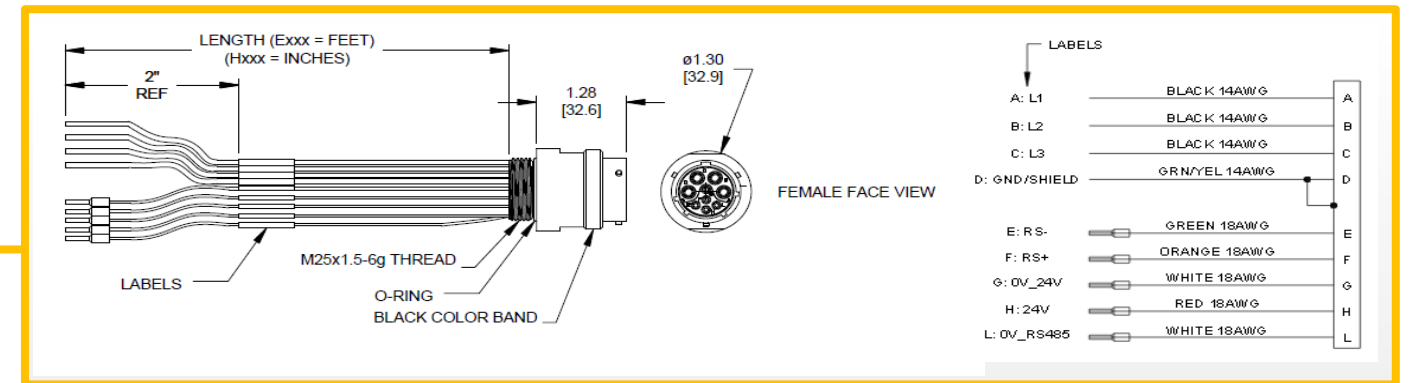
**X21 – X28
I/O Connectors**



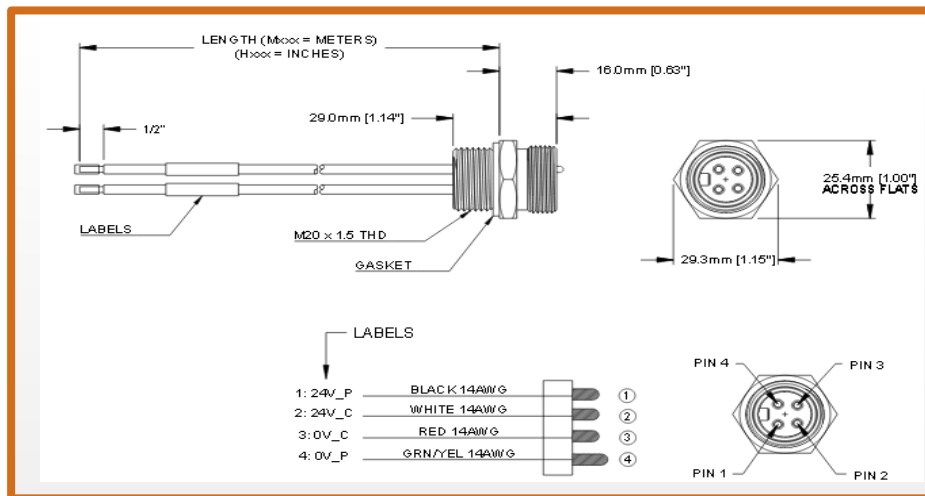
M0 – 460 V Mains Power Connector



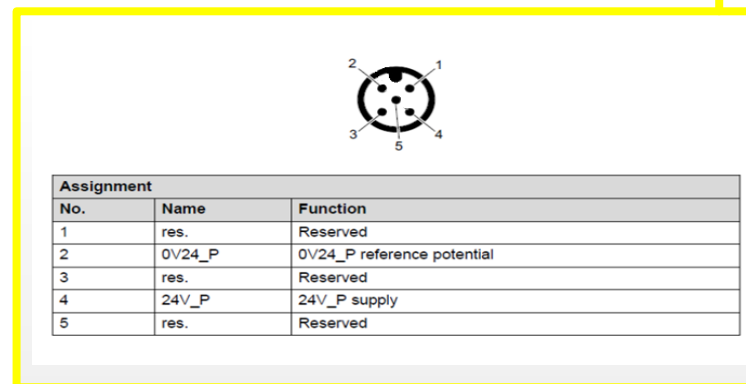
M1, M2, M3 – Motor Connector (Motor 1,2,3)



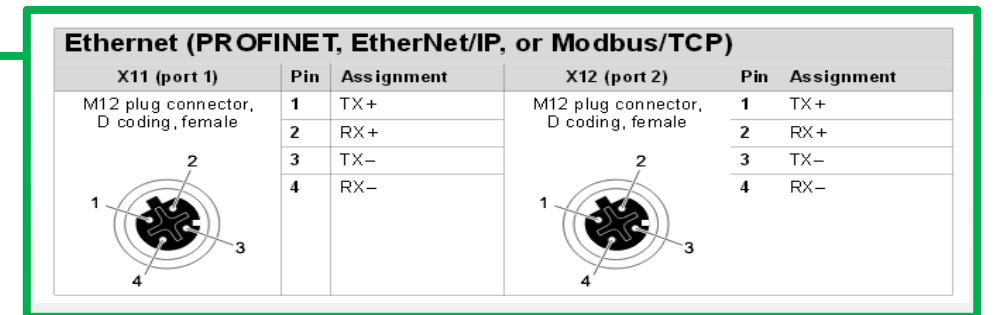
D0 – 24VDC Connector



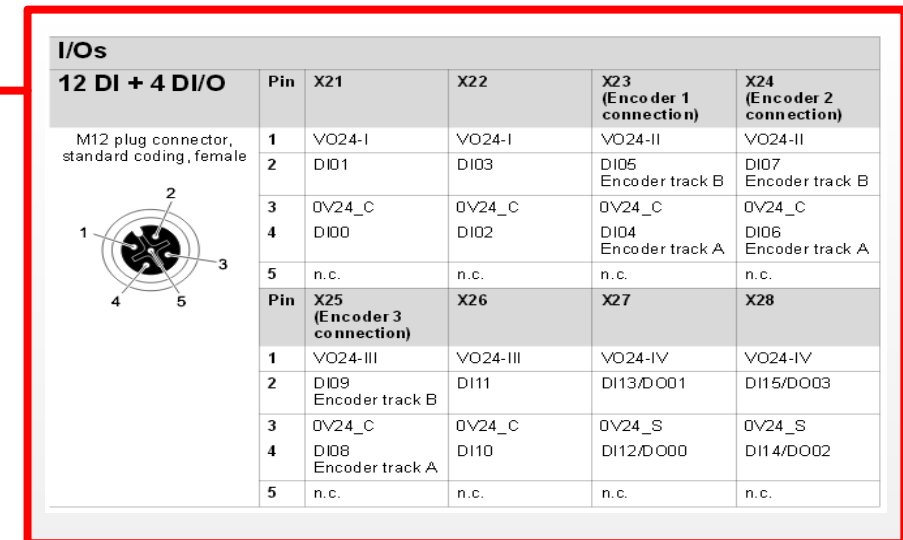
**D1 - M12,
24VDC Safety Connector**



X11-X12 Ethernet IP Connectors



**X21 - X28
I/O Connectors**



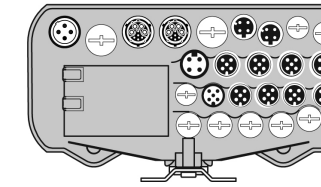
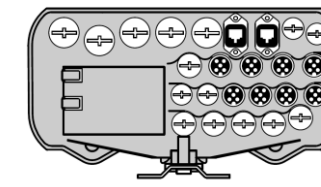
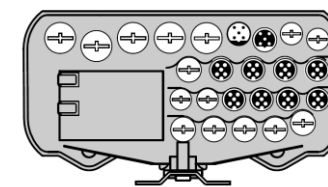
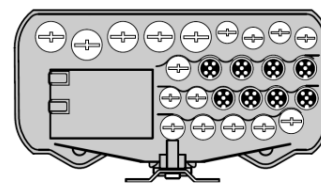
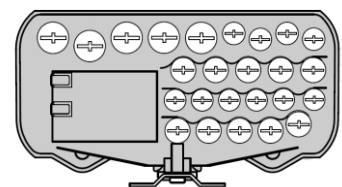
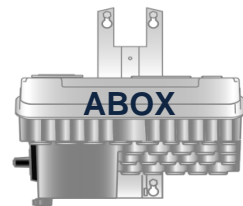
MOVIFIT® FC – Overview



MOVIFIT- SC
Starter Control
 1 drive 2 directions
 2 drives 1 direction



MOVIFIT- FC
Frequency Control
 Size 1: 0.37 – 1.5 kW
 Size 2: 2.20 – 4.0 kW



Unit power:

SC EBOX:

MTS11A015-503-..... 1.5 kW
MTS11A030-503-..... 3.0 kW

FC EBOX:

Size 1:
MTF11A003-503-..... 0.37 kW
MTF11A005-503-..... 0.55 kW
MTF11A007-503-..... 0.75 kW
MTF11A011-503-..... 1.1 kW
MTF11A015-503-..... 1.5 kW

Size 2:
MTF11A022-503-..... 2.2 kW
MTF11A030-503-..... 3.0 kW
MTF11A040-503-..... 4.0 kW

Motor assignment:
MT.11A...-503-.....

- 01=DAS 400V, 50Hz
- 10=DRS 400V, 50Hz
- 11=DRE 400V, 50Hz
- 12=DRS 460V, 60Hz
- 13=DRE 460V, 60Hz
- 14=DRS/DRE 380V, 60Hz
- 15=DRS/DRE 50-60Hz
- 16=DRP 400V, 50Hz
- 17=DRP 460V, 60Hz
- 18=DRN 400V, 50Hz
- 19=DRN 460V, 60Hz
- 20=DRN 50-60Hz

Classic Version:

MT.11A ... - 503 - D10A - 00
 DeviceNet
MT.11A ... - 503 - E20A - 00 /S11 or S12
 PROFINET (Cu)

MT.11A ... - 503 - P10A - 00 /S11 or S12
 PROFIBUS

Technology Version:

MT.11A ... - 503 - E31A - 00
 EtherNet/IP (Cu)
 Modbus/TCP (Cu)

MT.11A ... - 503 - D11A - 00
 DeviceNet

MT.11A ... - 503 - E21A - 00 /S11 or S12
 PROFINET (Cu)

MT.11A ... - 503 - P11A - 00 /S11 or S12
 PROFIBUS

/S11 ProfiSafe Option only for MTF
 4x FDI
 4x FDO

/S12A Option only for MTF
 4x FDI
 1x safety-related 2-channel output for STO
 2x safety-related 2-channel outputs

/S12B Option only for MTF
 8x FDI
 1x safety-related 2-channel output for STO
 No other safety-related outputs

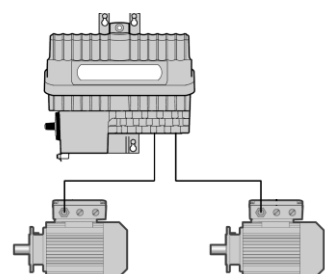
Maintenance switch design:

MTF:
MTA11A...-503-M11-00/
 MS325 (4A) = Group installation
MTF,MTS:
MTA11A...-503-M12-00/
 MS325 (9A) = Group installation
MTF:
MTA11A...-503-D01-00/
 OT16 = Single line installation only

Special Design

MOVIFIT-FC for Dual-Motor Operation:
MTA11A - 503 - S... -...- 30

MOVIFIT-FC for Dual-Motor Group Drive:
MTA11A - 503 - S... -...- 33



Standard ABOX with terminals and cable bushings

MTA11A-503-S023-...-00
 EtherNet/IP (Cu)
 Modbus/TCP (Cu)
 PROFINET (Cu)

I/O terminal: Technology & Classic → 12 DI + 4 DI/O

MTA11A-503-S022-...-00
 DeviceNet

MTA11A-503-S021-...-00
 PROFIBUS

I/O terminal: Technology → 12 DI + 4 DI/O
 Classic → 6 DI + 2 DI/O

Hybrid ABOX with M12 for I/Os

MTA11A-503-S423-...-00
 EtherNet/IP (Cu)
 Modbus/TCP (Cu)
 PROFINET (Cu)

MTA11A-503-S421-...-00
 PROFIBUS

Hybrid ABOX with M12 for I/Os and bus

MTA11A-503-S523-...-00
 EtherNet/IP (Cu)
 Modbus/TCP (Cu)
 PROFINET (Cu)

MTA11A-503-S521-...-00
 PROFIBUS

Hybrid ABOX with M12 for I/Os and push-pull RJ45

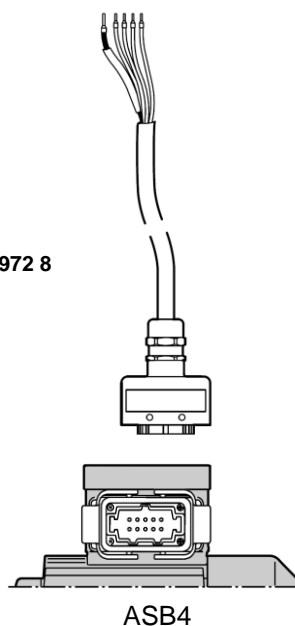
MTA11A-503-S623-...-00
 EtherNet/IP (Cu)
 Modbus/TCP (Cu)
 PROFINET (Cu)

Hybrid ABOX with M12 for I/Os, bus, and 24V safety*
 Amphenol connectors for mains, motors, and 24v power

MTA11A-503-A593-...-00
 EtherNet/IP (Cu)
 Modbus/TCP (Cu)
 PROFINET (Cu)

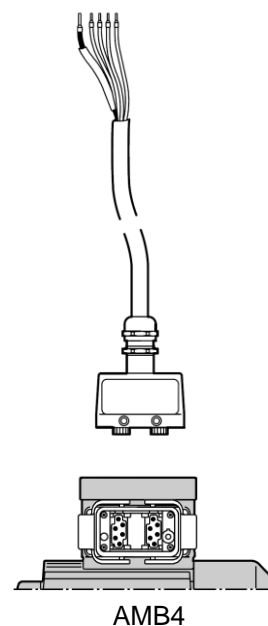
*24v Safety = A543 or A593
 No 24v Safety = A523 or A553

PN: 0819 972 8



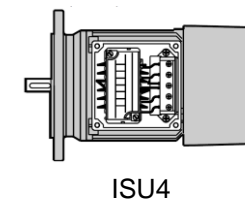
ASB4

PN: 0819 875 6



AMB4

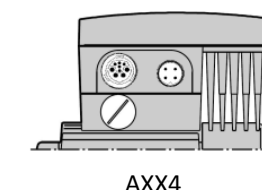
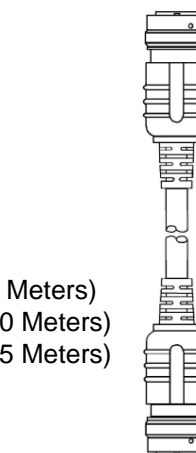
PN: DR63/ DT71-90(\):
0819 967 1
 PN: DR63/ DT71-90(/):
0819 969 8
 PN: DV100,DV112,
 DR.71-132(\):
0819 970 1
 PN: DV100,DV112,
 DR.71-132(/):
0819 874 8



ISU4

SineAmphenol
 PN: P30538-Mxx
 xx in meter

SEW
 PN: **19142447** (5 Meters)
 PN: **19142455** (10 Meters)
 PN: **19142463** (15 Meters)

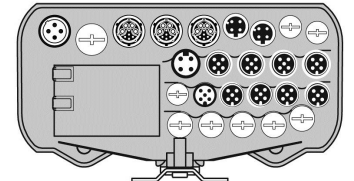
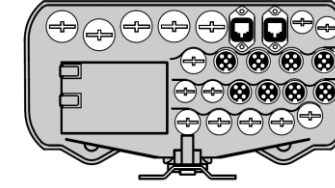
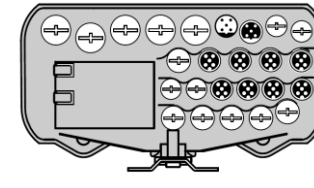
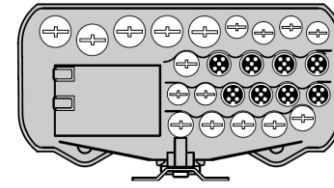
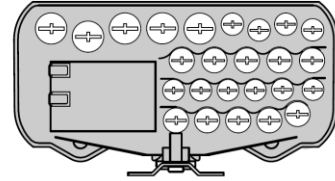
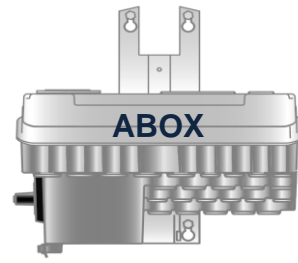
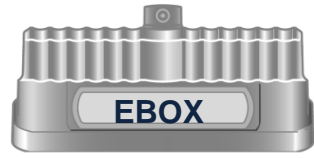


AXX4

Examples: more cables in MOVIFIT-SC/FC Operating Instruction

MOVIFIT® MC – Overview

MOVIFIT-MC MOVIMOT Control Up to 3 MOVIMOT



Classic Version:

MTM11A000 – D10A – 00
DeviceNet

MTM11A000 – E20A – 00 /S11 or S12
PROFINET(Cu)

MTM11A000 – P10A – 00 /S11 or S12
PROFIBUS

Technology Version:

MTM11A000 – E31A – 00
EtherNet/IP (Cu)
Modbus/TCP (Cu)

MTM11A000 – D11A – 00
DeviceNet

MTM11A000 – E21A – 00 /S11 or S12
PROFINET(Cu)

MTM11A000 – P11A – 00 /S11 or S12
PROFIBUS

/S11 ProfiSafe Option additional
4x FDI
4x FDO

/S12A Option
4x FDI
1x safety-related 2-channel output for STO
2x safety-related 2-channel outputs

/S12B Option
8x FDI
1x safety-related 2-channel output for STO
No other safety-related outputs

Maintenance switch design:



MTA...-...-M01-00
MS116 (12 A) B / 2.5
Single line installation only

MTA...-...-M14-00
MS325 (9A) B / 1.5
Group installation

MTA...-...-M15-00
MS325 (12A) B / 2.5
Group installation

Standard ABOX with terminals and cable bushings

MTA11A-503-S013-...-00
EtherNet/IP (Cu)
Modbus/TCP (Cu)
PROFINET (Cu)

MTA11A-503-S012-...-00
DeviceNet

MTA11A-503-S011-...-00
PROFIBUS

Hybrid ABOX with M12 for I/Os

MTA11A-503-S413-...-00
EtherNet/IP (Cu)
Modbus/TCP (Cu)
PROFINET (Cu)

MTA11A-503-S411-...-00
PROFIBUS

Hybrid ABOX with M12 for I/Os and bus

MTA11A-503-S513-...-00
EtherNet/IP (Cu)
Modbus/TCP (Cu)
PROFINET (Cu)

MTA11A-503-S512-...-00
DeviceNet

MTA11A-503-S511-...-00
PROFIBUS

Hybrid ABOX with M12 for I/Os and push-pull RJ45

MTA11A-503-S613-...-00
EtherNet/IP (Cu)
Modbus/TCP (Cu)
PROFINET (Cu)

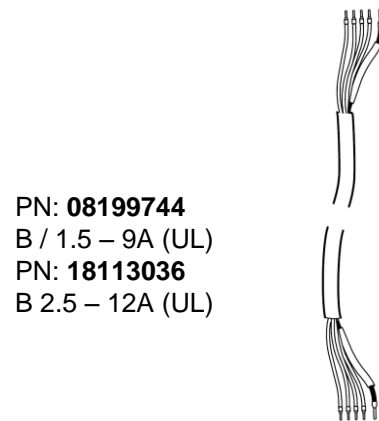
Hybrid ABOX with M12 for I/Os, bus, and 24V safety*
Amphenol connectors for mains, motors, and 24v power

MTA11A-503-A583-...-00
Ethernet/IP (Cu)
Modbus/TCP (Cu)
PROFINET (Cu)

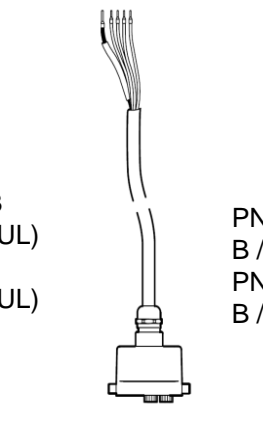
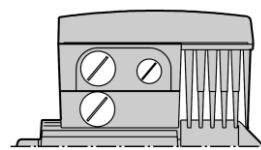
*24v Safety = A583
No 24v Safety = A513

I/O terminal: →

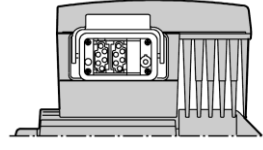
12 DI + 4 DI/O



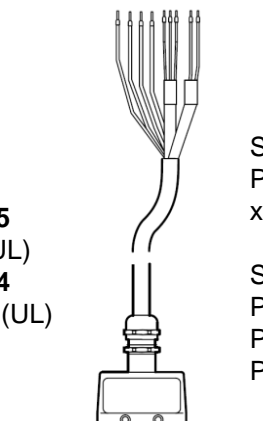
PN: **08199744**
B / 1.5 – 9A (UL)
PN: **18113036**
B 2.5 – 12A (UL)



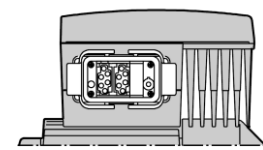
PN: **08198713**
B / 1.5 - 9A (UL)
PN: **18113001**
B / 2.5 - 12A (UL)



AMD6



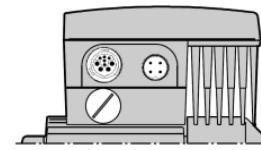
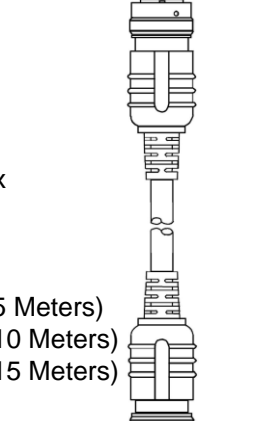
PN: **08199655**
B / 1.5– 9A (UL)
PN: **18112994**
B / 2.5 – 12A (UL)



AMA6

SineAmphenol
PN: P30165-Mxx
xx in meter

SEW
PN: **19142498** (5 Meters)
PN: **19142501** (10 Meters)
PN: **19142528** (15 Meters)



AXX6 / AVSX



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