

Original



EU DECLARATION OF CONFORMITY

1. Product Models/Products:

XS series

2. Name and address of the manufacturer:

OMRON Corporation

Shiokoji Horikawa, Shimogyo-ku Kyoto, 600-8530 Japan

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Objects of the declaration:

XS series I/O Connector

5. The objects of the declaration described above are in conformity with the relevant Union harmonization legislation:

2011/65/EU RoHS Directive

6. References to the relevant harmonized standards used or references to the other technical specifications in relation to which conformity is declared:

RoHS Directive: EN IEC 63000: 2018

Signed and on behalf of: OMRON Corporation

Place and date of issue: Kyoto, Japan January 12, 2022

Signature:

A handwritten signature in black ink, appearing to read 'Tsunetoshi Oba', is written over a horizontal line.

Name:

Tsunetoshi Oba

Function:

Industrial Automation Company,

Switch Product Management Group, Component Div,

Product Business Division HQ, Manager

Name and address of contact in EU

OMRON Europe B.V.

Quality & Environment Department

Attn: J.J.P.W. Vogelaar, European Quality & Environment Manager

Zilverenberg 2, 5234 GM, 's-Hertogenbosch, The Netherlands

Additional Information

Nomenclature XS2W series

XS2W¹⁾ – **D**²⁾□³⁾2⁴⁾□⁵⁾ – □⁶⁾□⁷⁾1⁸⁾ – □□⁹⁾

- 1) Series name
Socket / Plug (Double-ended connector harness)
- 2) Combination part shape
DC Type
- 3) Number of contacts
4: 4 Contacts
5: 5 Contacts
8: 8 Contacts
- 4) Plating specification of the contact
Gold plating 0.4μm
- 5) Cable pulling direction
1: Straight / Straight
2: Right-angle / Right-angle
3: Straight (Socket side) / Right-angle (Plug side)
4: Right-angle (Socket side) / Straight (Plug side)
- 6) Cable length
A: 0.3m
B: 0.5m
C: 1m
D: 2m
E: 3m
F: 4m
G: 5m
H: 7m
J: 10m
K: 15m
L: 20m
N: 30m
M: 0.2m
P: 40m
R: 45m
S: 6m
T: 25m
U: 2.5m
V: 3.5m
W: 4.5m
X: 50m
Y: 1.5m
Z: 35m
- 7) Wiring
8: Brown White Blue Black
H: White Brown Green Yellow Gray Pink Blue Shield (The final number C only)
H: White Brown Green Yellow Gray Pink Blue Red (The final number R only)
- 8) Connector type
Double-ended connector
- 9) Cable specification
R: Extinguish robot cable
C: Shield cable
SA: Superior spatter cable

Additional Information

Nomenclature XS3W series

XS3W¹⁾ _□²⁾□³⁾2⁴⁾□⁵⁾ _□⁶⁾□□□□⁷⁾ _□□⁸⁾

- 1) Series name
Double-ended connector harness
- 2) Combination part shape
M: Screw fixed type (M8)
S: Snap-in type (S8)
- 3) Number of contacts
3: 3 Contacts
4: 4 Contacts
- 4) Plating specification of the contact
Gold plating 0.4μm
- 5) Cable pulling direction
1: Straight (plug) / Straight (socket)
2: Right-angle (plug) / Right-angle (socket)
3: Right-angle (plug) / Straight (socket)
4: Straight (plug) / Right-angle (socket)
A: M8 socket / Straight, M12 plug (Screw fixed type) / Straight
B: M8 plug / Straight, M12 socket (Screw fixed type) / Straight
C: M8 socket / Straight, M12 plug (Smart click type) / Straight
D: M8 plug / Straight, M12 socket (Smart click type) / Straight
- 6) Wiring
3: Brown Blue Black
4: Brown White Blue Black
- 7) Cable length
C3: 0.3m
C5: 0.5m
01C5: 1.5m
02C5: 2.5m
01: 1m
02: 2m
03: 3m
05: 5m
10: 10m
15: 15m
20: 20m
30: 30m
- 8) Cable specification
A: Standard cable
R: Vibration-proof robot cable
PR: PUR Vibration-proof robot cable

Additional Information

Nomenclature XS3W series

XS3W¹⁾–□□□□²⁾□□□³⁾□⁴⁾□□⁵⁾□□□⁶⁾

- 1) Series name
Socket / Plug (Double-ended connector harness)
- 2) Combination part shape
M12M8: Plug side M8. Socket side M12
M8: M8 Connector
- 3) Cable
PVC: PVC Cable
PUR: PUR Cable
- 4) Number of contacts / Wiring
3: 3 Contacts / Brown Blue Black
4: 4 Contacts / Brown White Blue Black
- 5) Cable pulling direction
SS: Straight (XS2H) / Straight (XS2F)
AA: Right-angle (XS2H)/ Right-angle (XS2F)
SA: Straight (XS2H) / Right-angle (XS2F)
AS: Right-angle (XS2H) / Straight (XS2F)
- 6) Cable length
03M: 0.3m
06M: 0.6m
1M: 1m
2M: 2m
5M: 5m
6M: 6m
8M: 8m
10M: 10m
15M: 15m

Additional Information

Nomenclature XS4W series

XS4W¹⁾-**D**²⁾**□**³⁾**2**⁴⁾**1**⁵⁾-**1**⁶⁾**□□**⁷⁾-**□**⁸⁾

- 1) Series name
DeviceNet power supply connector
Socket / Plug (Double-ended connector harness)
- 2) Combination part shape
DC Type
- 3) Number of contacts
4: 4 Contacts
5: 5 Contacts
- 4) Plating specification of the contact
Gold plating 0.4µm
- 5) Cable pulling direction
Straight / Straight
- 6) Wiring
Black White Red Green (For 4 Contacts)
Red White Black Yellow Green / Yellow (For 5 Contacts)
- 7) Cable length
C5: 0.5m
01: 1m
02: 2m
05: 5m
10: 10m
15: 15m
20: 20m
30: 30m
50: 50m
- 8) Cable specification
A: Standard cable for 4 cores
D: Standard cable for 5 cores

Additional Information

Nomenclature XS5W series

XS5W¹⁾-□²⁾□³⁾□⁴⁾□⁵⁾-□⁶⁾□⁷⁾□⁸⁾-□⁹⁾

- 1) Series name
Double-ended Smart Click connector harness
- 2) Combination part shape
D: A-cording
T: D-cording
- 3) Number of contacts
4: 4 Contacts
5: 5 Contacts
- 4) Plating specification of the contact
Gold plating 0.4µm
- 5) Cable pulling direction
1: Straight / Straight
2: Right-angle
A: Straight / Right-angle
- 6) Cable length
A: 0.3m
B: 0.5m
C: 1m
D: 2m
E: 3m
F: 4m
G: 5m
H: 7m
J: 10m
K: 15m
L: 20m
N: 30m
M: 0.2m
P: 40m
R: 45m
S: 6m
T: 25m
U: 2.5m
V: 3.5m
W: 4.5m
X: 50m
Y: 1.5m
Z: 35m
- 7) Wiring
8: Brown White Blue Black
M: Yellow Orange White Blue Shield
- 8) Harness type
1: Double-ended connector harness (M12 plug / M12 socket)
2: Double-ended connector harness (M12 plug / M12 plug)
3: Double-ended connector harness (M12 socket / M12 socket)
C: Double (M12 plug / RJ45 plug) ended connector
D: Double (RJ45 plug / RJ45 plug) ended connector
E: Double (M12 socket / RJ45 plug) ended connector
- 9) Cable specification
Y: Ethernet robot cable with shield
YR: Ethernet Cat5e Vibration-proof robot cable
K: Ethernet cable with shield
KR: Ethernet Cat5e Vibration-proof robot cable
SS: Ethernet Cat5e Standard cable (Enhanced shield type)
P: Oil-proof PUR cable
SA: Superior spatter cable

Additional Information

Nomenclature XS6W series

XS6W¹⁾.-□²⁾□□□□³⁾g⁴⁾SS⁵⁾□□□□□□⁶⁾.-□⁷⁾

- 1) Series name
Double-ended connector harness (RJ45 plug / RJ45 plug)2) Combination part
shape
- 2) Transmission performance
5:
6: Cat6A
- 3) Material of the cable
PUR: PUR cable
LSZH: LSZH cable
- 4) Number of contacts
8 Contacts
- 5) Cable pulling direction
Straight / Straight
- 6) Cable length
20CM
30CM
50CM
100CM
150CM
200CM
300CM
500CM
750CM
1000CM
1500CM
2000CM
- 7) Cable specification
B: Blue
Y: Yellow
G: Green
YF: Softness improvement type

Additional Information

Nomenclature XS5WR series

XS5WR¹⁾-D²⁾4³⁾2⁴⁾5⁵⁾-□⁶⁾8⁷⁾1⁸⁾-RB1⁹⁾

- 1) Series name
Socket / Plug (Double-ended smart click connector harness)
- 2) Combination part shape
DC Type
- 3) Number of contacts
4 Contacts
- 4) Plating specification of the contact
Gold plating 0.4μm
- 5) Cable pulling direction
Straight / Straight
- 6) Cable length
D: 2m
G: 5m
J: 10m
- 7) Wiring
Brown White Blue Black
- 8) Connector type
Double-ended connector
- 9) Cable specification
Oil-resistant Connector

Additional Information

XS2W-D421-BY1
XS3W-S422-S001
FQ-WN002
FQ-WN005
FQ-WN010
FQ-WN020
FQ-WN005-1
FQ-WN010-1
V680S-A42 2M
V680S-A42 5M
V680S-A42 10M
V680S-A41 2M
V680S-A41 5M
V680S-A41 10M
V680S-A40 2M
V680S-A40 5M
V680S-A40 10M
V680S-A40 20M
V680S-A40 50M
V680S-A50 2M
V680S-A50 10M
V680S-A50 20M
V680S-A51 2M
V680S-A51 5M
V680S-A51 10M