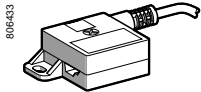# AS-i cabling system
Installation system
Connection accessories

## Accessories for connection to AS-i flat cable

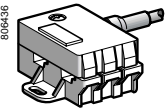**Tap-offs**
Connection to flat cables by IDC (Insulation Displacement Connector). Ue ≤ 40 V, Ie ≤ 2 A.
Ambient air temperature: - 25 °C…+ 70 °C (operation), - 40…+ 85 °C (storage).

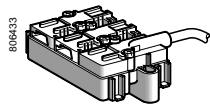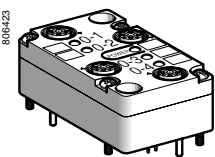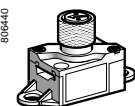| Description | Connection to the AS-i sensor or actuator | Cable length | Fixing | Unit reference | Weight kg |
|---|---|---|---|---|---|
| **Tap-offs for connection to a flat cable** for AS-i (yellow) Degree of protection IP 67 | Flying lead (2 x 0.34 mm²) with 5-contact female straight M12 end connector | 0.6 m | Screw | **XZ-CG01205D** | 0.090 |
| | | 1 m | Screw | **XZ-CG0121D** | 0.130 |
| | Flying lead (2 x 0.34 mm²) with 5-contact female elbowed M12 end connector | 0.6 m | Screw | **XZ-CG01205C** | 0.090 |
| | | 1 m | Screw | **XZ-CG0121C** | 0.130 |
| | Cable with bared ends for terminal block Cable 2 x 0.34 mm² Brown wire: AS-i ⊕ Blue wire: AS-i ⊖ | 2 m | Screw | **XZ-CG0122** | 0.215 |
| **Tap-offs for connection to two flat cables**: - 1 for AS-i (yellow) - 1 for the separate supply (black) Degree of protection IP 54 | Flying lead (4 x 0.34 mm²) with 5-contact female straight M12 end connector | 0.3 m | Screw | **XZ-CG01403D** | 0.140 |
| | | 2 m | Screw | **XZ-CG0142D** | 0.180 |
| | Flying lead (4 x 0.34 mm²) with 5-contact female elbowed M12 end connector | 0.3 m | Screw | **XZ-CG01403C** | 0.140 |
| | | 2 m | Screw | **XZ-CG0142C** | 0.180 |
| | Cable with bared ends for terminal block Cable 4 x 0.34 mm² Brown wire: AS-i ⊕ Blue wire: AS-i ⊖ White wire: 0 V Black wire: + 24 V | 2 m | Screw | **XZ-CG0142** | 0.265 |
| **Tap-offs for connection to two flat cables:** - 1 for AS-i (yellow) - 1 for the separate supply (black) Degree of protection IP 67 | Flying lead (4 x 0.34 mm²) with 5-contact female straight M12 end connector | 0.3 m | Screw | **ASI-DCPM12D03** | 0.150 |
| | | 2 m | Screw | **ASI-DCPM12D20** | 0.200 |
| | Cable with bared ends for terminal block Cable 4 x 0.34 mm² Brown wire: AS-i ⊕ Blue wire: AS-i ⊖ White wire: 0 V Black wire: + 24 V | 2 m | – | **ASI-DCPFIL20** | 0.200 |
| | | 5 m | – | **ASI-DCPFIL50** | 0.350 |
| **Sealing ring for tap-off ASI-DCP● (sold in lots of 10)** | | | | **ASI-DCPACC1** | 0.050 |
| **4-way tap-off** (1) **for connection to two flat cables:** - 1 for AS-i (yellow) - 1 for the separate supply (black) Degree of protection IP 67 | By M12 connector | – | – | **XZ-SDP40D1** | 0.100 |

**T connectors**
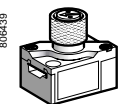Connection to flat cable by IDC (Insulation Displacement Connector). Ue ≤ 40 V, Ie ≤ 2 A.
Degree of protection IP 67.
Ambient air temperature: - 25 °C…+ 70 °C (operation), - 40…+ 85 °C (storage).

| Description | Connection to AS-i sensor or actuator | Fixing | Reference | Weight kg |
|---|---|---|---|---|
| **T connectors for connection to a flat cable** for AS-i (Yellow) | By 5-contact female M12 connector | Screw | **XZ-CG0120** | 0.015 |
| | | Without | **XZ-CG0220** | 0.015 |

(1) For connection bases for 4-way tap-offs, see page 34007/5.


806433
**XZ-CG012●**


806436
**XZ-CG014●**


806433
**ASI-DCP●**


806423
**XZ-SDP40D1**


806440
**XZ-CG0120**


806439
**XZ-CG0220**

Telemecanique

Schneider Electric

# AS-i cabling system
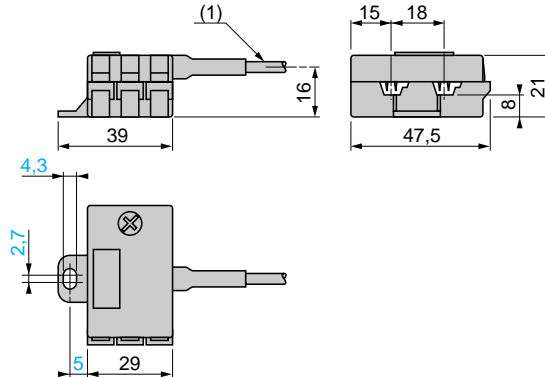
Installation system
Connection accessories
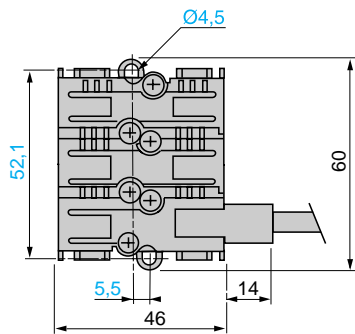
## Dimensions

**Tap-offs**
**XZ-CG012●●**
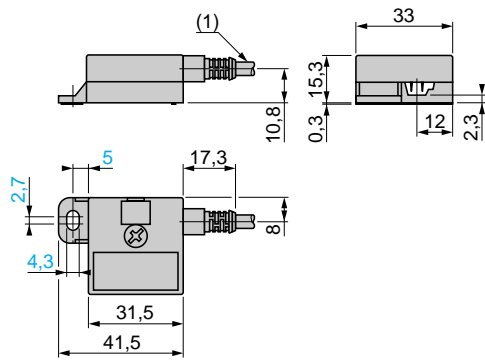
(1) Cable length 0.6, 1 or 2 m.
With stripped ends (brown: AS-i ⊕, blue: AS-i ⊖ or fitted with M12 connector
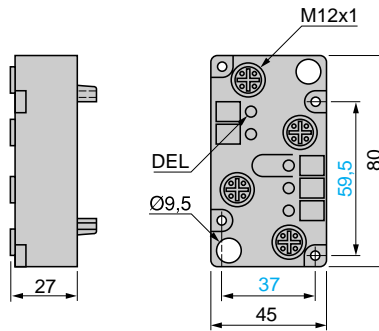
**XZ-CG014●●**

(1) Cable length 0.3 or 2 m.
With stripped ends (brown: AS-i ⊕. blue: AS-i ⊖), white: 0 V.
black: + 24 V) or fitted with M12 connector
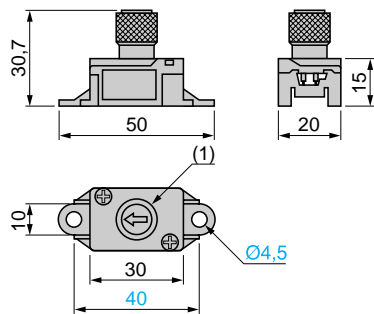
**Tap-offs for connection to two flat cables**
**ASI-DCP●**

**4-way tap-offs** (1) **for connection to two flat cables**
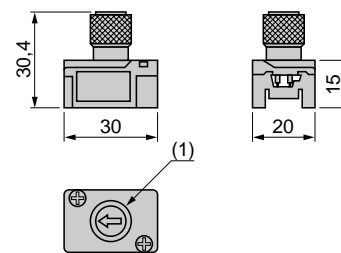**XZ-SDP40D1**

(1) Connection bases for 4-way tap-offs, see page 34007/5.

**T connectors**
**XZ-CG0120**

(1) Connectors adjustable to 2 positions, at 90°.

**XZ-CG0220**

(1) Connectors adjustable to 2 positions, at 90°.

## Connections

**M12 connectors on T connectors XZ-CG0●20, and tap-offs**
**XZ-CG012●**

AS-i ⊖ 3 ∕ 4
2 ∕ 1 ⊕ AS-i

**M12 connectors on tap-offs XZ-CG014●●, ASI-DCPSIL●0 and XZ-SDP40D1**

AS-i ⊖ 3 ∕ 4 ═ + 24 V
0 V 2 ∕ 1 ⊕ AS-i