

## 2 X-COM-SYSTEM

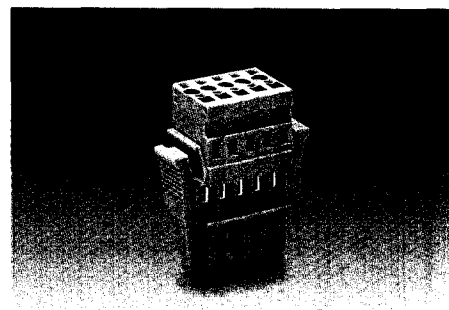
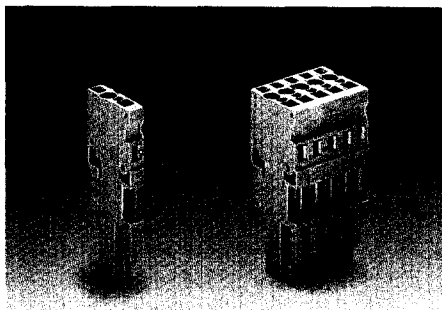
### 32 Female Plugs

## Female Plugs with Locking Levers

|  |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                              |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>0.08–2.5 mm<sup>2</sup>/4 mm<sup>2</sup>"s"</b>   <b>AWG 28 – 12</b><br><b>500 V/6 kV/3 ①</b>   <b>300 V, 10 A ②</b><br><b>16 A**</b><br><b>Module width 5 mm / 0.197 in</b><br> <b>8 – 9 mm / 0.33 in</b><br><small>*  <b>KICA</b></small> | <b>0.08–2.5 mm<sup>2</sup>/4 mm<sup>2</sup>"s"</b>   <b>AWG 28 – 12</b><br><b>500 V/6 kV/3 ①</b>   <b>300 V, 10 A</b><br><b>16 A</b><br><b>Module width 5 mm / 0.197 in</b><br> <b>8 – 9 mm / 0.33 in</b> |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- ① 500 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(see also section 10)

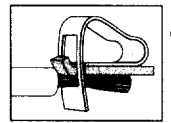
- ② For information on use of insulation stops and wire range, see page 1.197



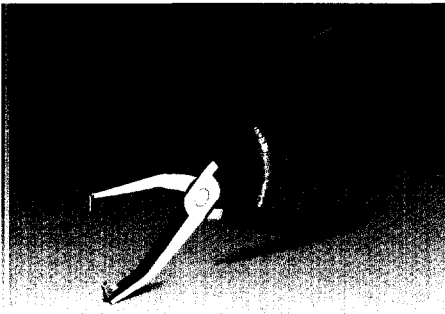
| Description                                                                                                                                                                    | Item-No.                                                                                                                                                                                                                                                                                                                                   | Pack.-unit<br>pcs | Item-No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pack.-unit<br>pcs |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>1-conductor female plug,</b><br>to be fixed on receptacle terminal blocks<br>or male connectors                                                                             | <b>1-conductor female plugs, with coding fingers, grey,</b><br>commoning possibility with miniature adjacent jumpers<br>1 pole <b>769-101</b> 200<br>2 poles <b>769-102</b> 100<br>3 poles <b>769-103</b> 50<br>4 poles <b>769-104</b> 50<br>: :<br>13 poles <b>769-113</b> 10<br>14 poles <b>769-114</b> 10<br>15 poles <b>769-115</b> 10 |                   | <b>1-conductor female plugs with lateral locking levers, with coding fingers, grey,</b><br>commoning possibility with miniature adjacent jumpers<br>– <b>only to be used for male connectors –</b><br>2 poles <b>769-102/021-000</b> 25<br>3 poles <b>769-103/021-000</b> 25<br>4 poles <b>769-104/021-000</b> 25<br>: :<br>9 poles <b>769-109/021-000</b> 20<br>10 poles <b>769-110/021-000</b> 10<br>11 poles <b>769-111/021-000</b> 10<br>12 poles <b>769-112/021-000</b> 10<br>13 poles <b>769-113/021-000</b> 10<br>14 poles <b>769-114/021-000</b> 10<br>15 poles <b>769-115/021-000</b> 10 |                   |
| <b>1-conductor female plug, green-yellow</b><br>Higher number of poles and/or mixed<br>(grey/green-yellow) on request                                                          | <b>1-conductor female plug,</b><br>with coding fingers, green-yellow,<br>commoning possibility with miniature adjacent jumpers<br>1 pole <b>769-101/000-016</b> 200                                                                                                                                                                        |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |
| <b>Accessories</b> (see also section 8)                                                                                                                                        | Appropriate marking system <b>Mini-WSB</b>                                                                                                                                                                                                                                                                                                 |                   | Appropriate marking system <b>Mini-WSB</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |
|  <b>Insulation stop ②,</b> white<br>5 pcs/strip light grey<br>dark grey                     | 0.08 – 0.2 mm <sup>2</sup> ② <b>280-470</b> 200 strips<br>0.25 – 0.5 mm <sup>2</sup> <b>280-471</b> 200 strips<br>0.75 – 1 mm <sup>2</sup> <b>280-472</b> 200 strips                                                                                                                                                                       |                   | 0.08 – 0.2 mm <sup>2</sup> ② <b>280-470</b> 200 strips<br>0.25 – 0.5 mm <sup>2</sup> <b>280-471</b> 200 strips<br>0.75 – 1 mm <sup>2</sup> <b>280-472</b> 200 strips                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |
|  <b>Miniature adjacent jumper,</b><br>insulated, suitable for 1-conduc-<br>tor female plugs | I <sub>N</sub> 16 A<br>grey <b>769-402</b> 100 (4 x 25)                                                                                                                                                                                                                                                                                    |                   | I <sub>N</sub> 16 A<br><b>769-402</b> 100 (4 x 25)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |
|  <b>Locking levers,</b><br>can be snapped on female plugs                                   | Female plugs with 1 pole 2 poles and more<br>grey <b>769-428 769-430</b> 100 (4 x 25)<br>orange <b>769-429 769-431</b> 100 (4 x 25)                                                                                                                                                                                                        |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |
|  <b>Coding pin,</b><br>for coding of female plugs                                           | orange <b>769-435</b> 100 (4 x 25)                                                                                                                                                                                                                                                                                                         |                   | orange <b>769-435</b> 100 (4 x 25)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |
|  <b>Protective warning marker,</b><br>for 5 terminal blocks,<br>fits into screwdriver slot  | yellow <b>280-415</b> 100 (4 x 25)                                                                                                                                                                                                                                                                                                         |                   | yellow <b>280-415</b> 100 (4 x 25)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |
|  <b>Test plug, w. cable 500 mm/1'7.7"</b><br>2 mm/0.079 in Ø<br>2.3 mm/0.091 in Ø           | red <b>210-136</b> 50 (5 x 10)<br>yellow <b>210-137</b> 50 (5 x 10)                                                                                                                                                                                                                                                                        |                   | red <b>210-136</b> 50 (5 x 10)<br>yellow <b>210-137</b> 50 (5 x 10)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |
|  <b>Strain relief plate,</b><br>snap-on typ,<br>for 1-conductor female plugs                | grey<br>1 pole <b>769-410</b> 100 (4 x 25)<br>2 to 3 poles <b>769-411</b> 100 (4 x 25)<br>4 to 5 poles <b>769-412</b> 100 (4 x 25)<br>6 to 9 poles <b>769-413</b> 100 (4 x 25)<br>10 to 15 poles <b>769-414</b> 100 (4 x 25)                                                                                                               |                   | grey<br>1 pole <b>769-410</b> 100 (4 x 25)<br>2 to 3 poles <b>769-411</b> 100 (4 x 25)<br>4 to 5 poles <b>769-412</b> 100 (4 x 25)<br>6 to 9 poles <b>769-413</b> 100 (4 x 25)<br>10 to 15 poles <b>769-414</b> 100 (4 x 25)                                                                                                                                                                                                                                                                                                                                                                      |                   |

\* For further approvals with corresponding ratings see pages 10.3 ff.

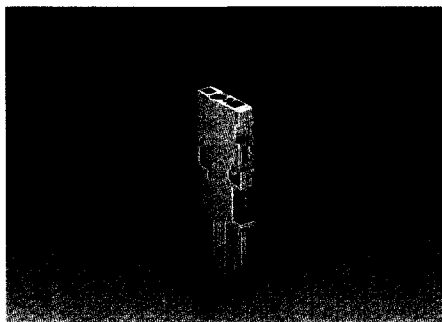
\*\* For the derating curves please see pages 2.42–2.45



| Operating tool | Examples of application | Dimensions of the female plugs |
|----------------|-------------------------|--------------------------------|
|                |                         |                                |



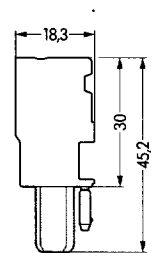
| Item-No.                                                                                      | Pack.-unit<br>pcs |
|-----------------------------------------------------------------------------------------------|-------------------|
| <b>Operating tool,</b><br>for female plugs and male connectors<br>with CAGE CLAMP® connection |                   |
| 210-490                                                                                       | 1                 |
| <b>Technical information</b>                                                                  |                   |



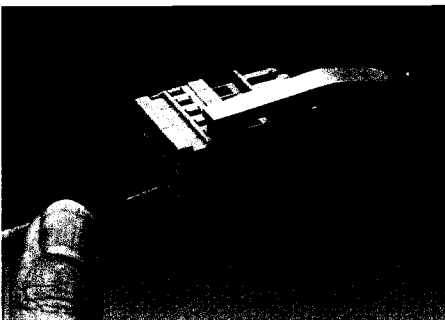
#### 1-pole female plug

for example

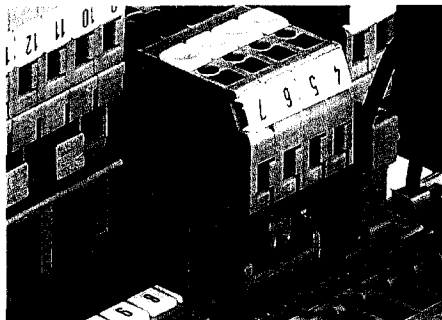
- for phase pre-selection in three-phase network
- as a test plug with rated current capability
- simplified circuit expansion – addition of base circuits requires only female plugs to be plugged in



$L = \text{Number of poles} \times \text{module width}$

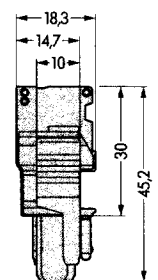
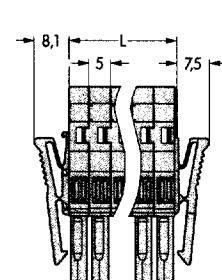


Connection of the conductor – lateral wiring  
with operating tool



#### Commoning possibility of female plugs

- after de-plugging commoned potentials still remain commoned
- use of the plug jumper instead of additional wired jumpers
- can be used as a "hardware" key for safety lockout
- as a commoning jumper for sensor circuits or machine programming



$L = \text{Number of poles} \times \text{module width}$