

A nighttime photograph of a tram line construction site. In the foreground, a yellow KUMMLER+MATTER truck with a long-reach crane is positioned. The crane's arm, labeled 'KUMMLER+MATTER', extends upwards, holding a large, red, illuminated collector head (KUCO 600A) above the tram's overhead power lines. A worker in an orange safety suit is visible on a platform at the end of the crane's arm, working on the collector head. Another worker is visible on a separate platform further back. The scene is illuminated by streetlights and the truck's own lights. In the background, a pedestrian bridge and city buildings are visible under a dark sky.

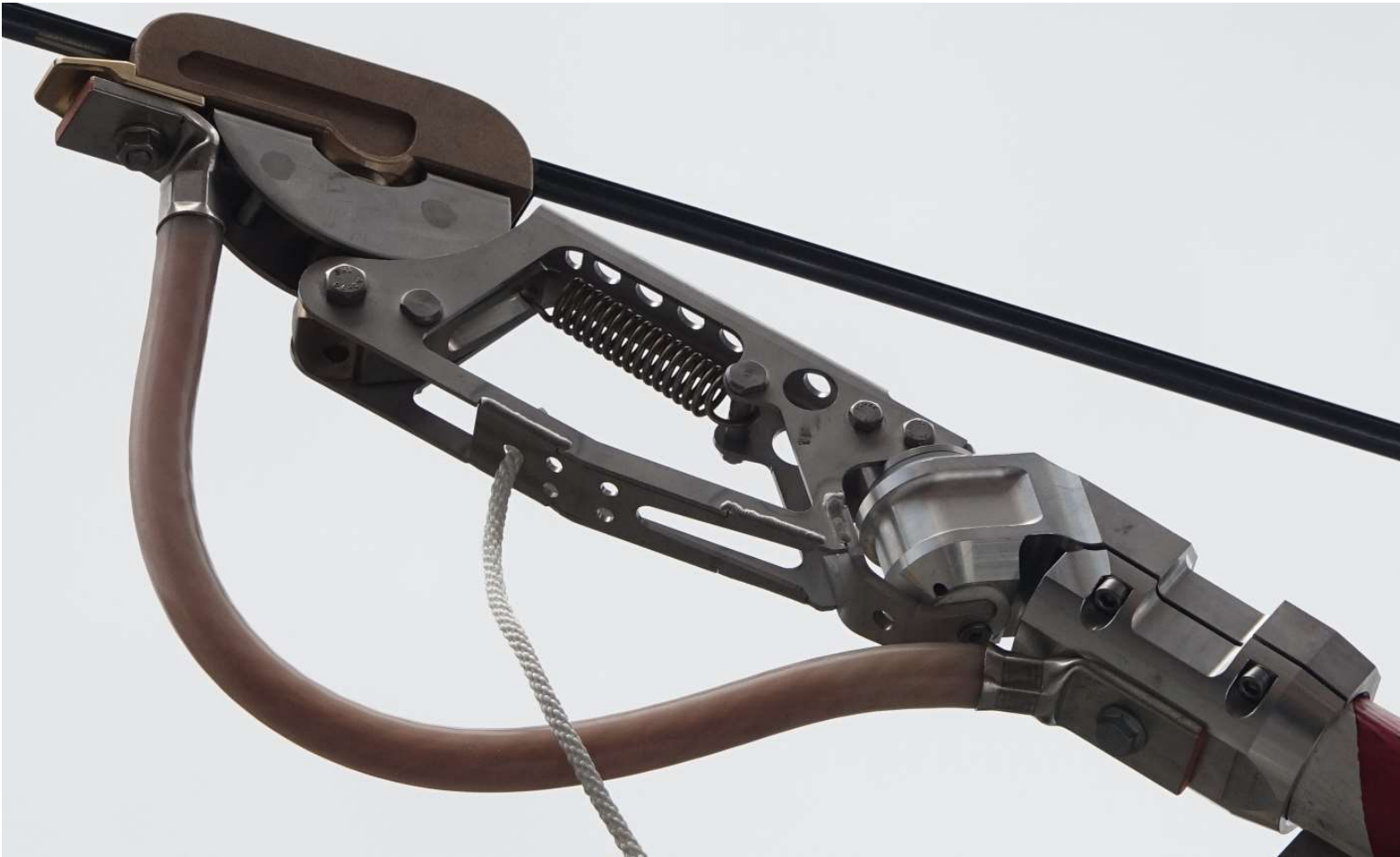
COLLECTOR HEAD KUCO 600A

Speaker: Dietmar Schulz

www.kuma.ch
kuma@kuma.ch

Kummler+Matter

KUCO - TROLLEYBUS COLLECTOR HEAD 600A DIAMETER 25 / 38



PRODUCT OVERVIEW

FUTURE ORIENTED SOLUTION OF THE TROLLEYBUS COLLECTOR HEAD UP TO 600A

- ✓ Further development of our double joint collector head
- ✓ Wear reduction thanks to double joint
- ✓ Force relief of the adapting parts
- ✓ No contact wire damage due to folding mechanism
- ✓ Suitable for fast charging
- ✓ High continuous current during the drive
- ✓ Long life time of the carbon piece and collector shoe
- ✓ Longer life time of the carbon piece through 130mm length
- ✓ Optimized contact surface of the carbon piece thanks to higher sidewalls

 KUCO 600A: optimizes efficiency, Charging ampacity and prevents risks

DOUBLE JOINT: FORCE & WEARING REDUCTION

- ✓ **Double joint: relief the force of the centrifugal force of the collector rod**
- ✓ **LONG LIFE TIME OF THE CARBON piece (+25%)**
- ✓ **Connector with a cross-section of 70 mm²**



DOUBLE JOINT: SAFETY INCREASE

- ✓ Derailments are prevented by reduced centrifugal forces
- ✓ Consequential damage after derailments are prevented by the secure mechanism
- ✓ Can be brought into the starting position by hand for immediate re-use – forceless –



DOUBLE JOINT: HIGHER EFFICIENCY FOR CHARGING WHILE DRIVING

Highly qualified for the new generation of trolley busses:

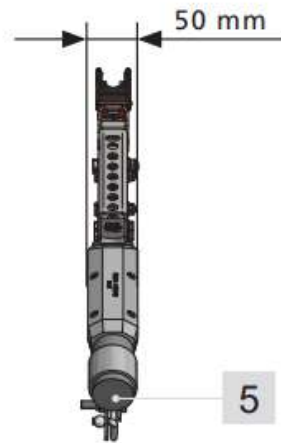
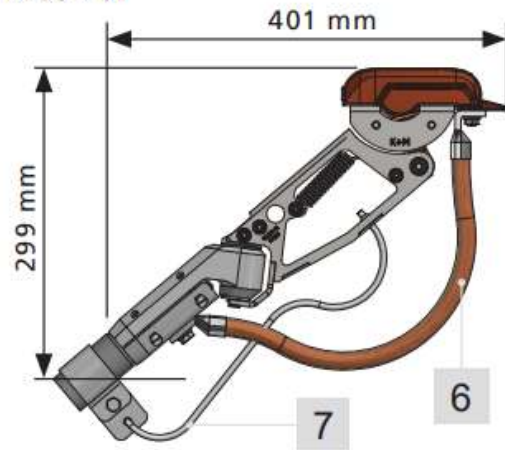
Charging while driving

- ✓ **Maximum continuous current 400A (unlimited)**
- ✓ **Maximum continuous current 600A (for 10 minutes)**



PRODUCT: DIMENSIONS

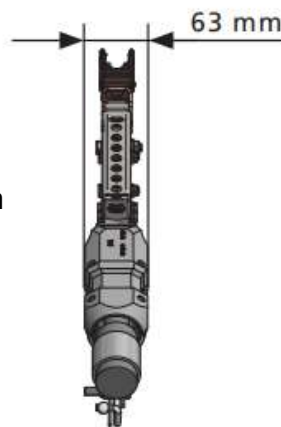
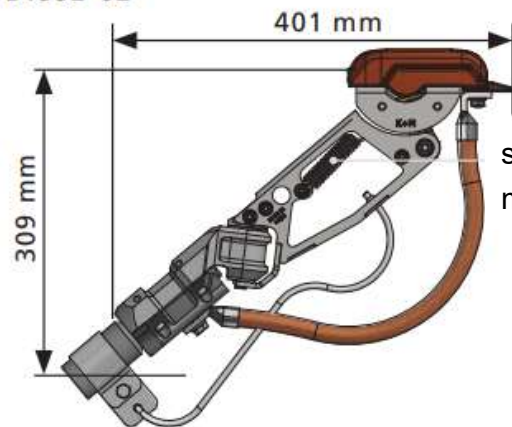
B1592-01



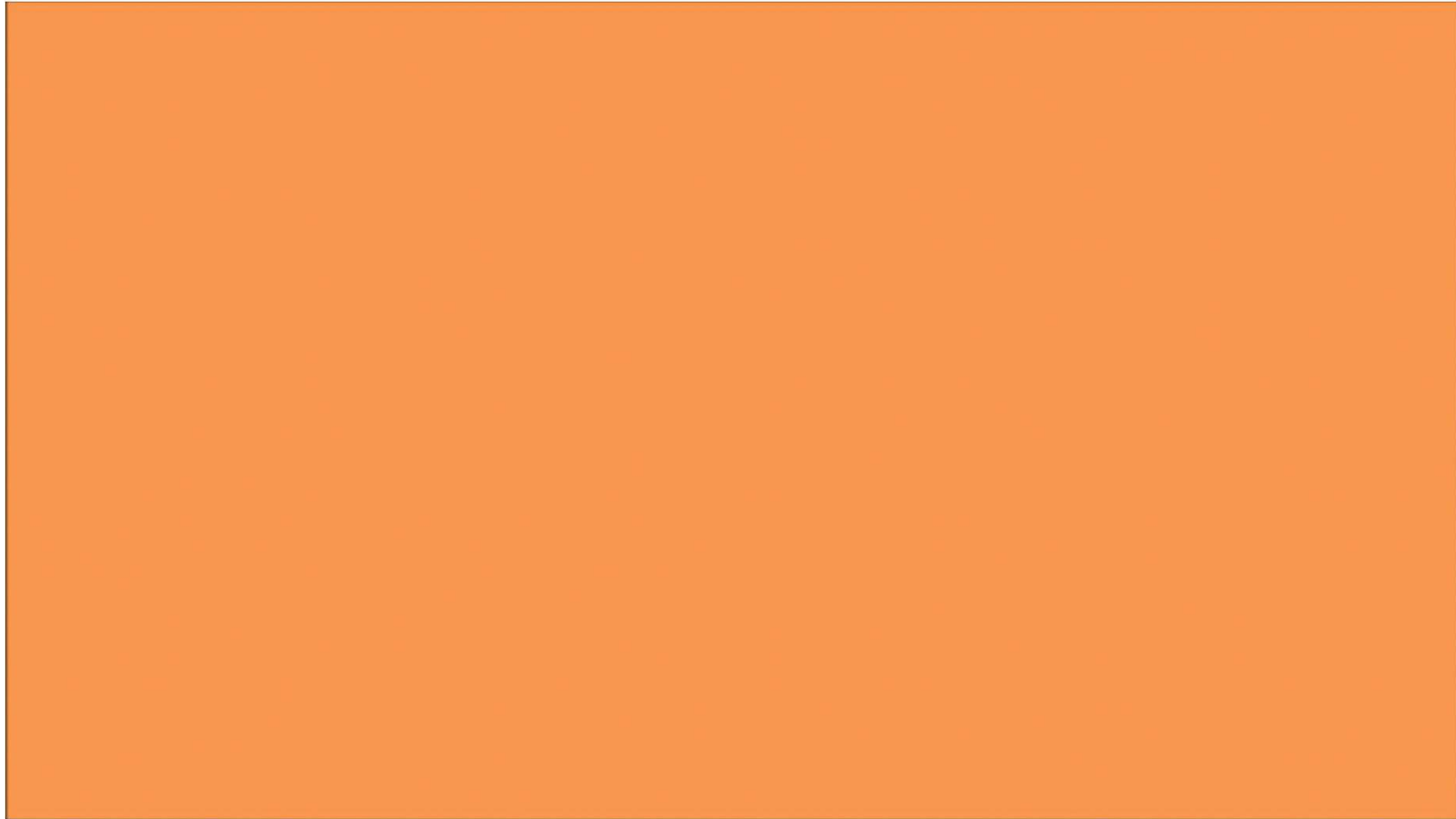
- 1 extended collector shoe
- 2 extended carbon piece
- 3 joint 1
- 4 joint 2
- 5 trolley pole
- 6 power connector
- 7 safety leash

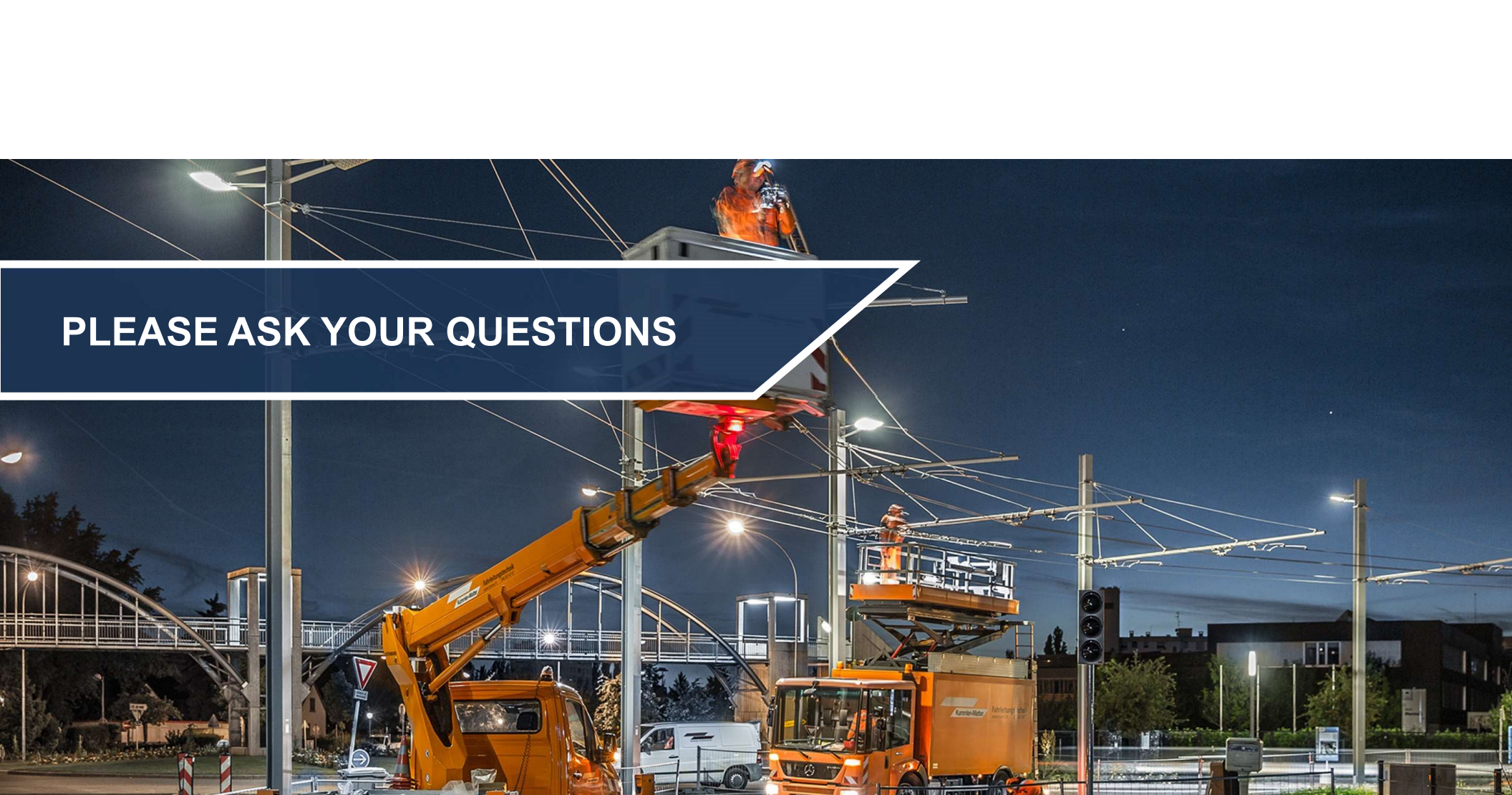


B1592-02



PRODUCT FILM





PLEASE ASK YOUR QUESTIONS

Speaker: Dietmar Schulz

dietmar.schulz@kuma.ch

www.kuma.ch

M +41 79 870 52 58

www.kuma.ch
kuma@kuma.ch

Kummler+Matter