



Fraunhofer

TESTED[®] DEVICE

DYDEN CORPORATION

RMCS (Ø 6.3 mm)

Report No. DY 1405-709

Qualification Certificate

This is to certify that the product mentioned above, provided by

DYDEN CORPORATION

Fukuoka, Japan

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number DY 1405-709.

The cable system RMCS (d = 6.3 mm) is suitable for use in clean-
rooms fulfilling the specifications of the following air cleanliness
classes:

Parameter	Air Cleanliness Class
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	3
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	1
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	2
Overall result	3

- Energy chain: igus E61.29.50.075.0
- Chain bending radius: $r = 150 \text{ mm}$
- Stroke length: $s = 820 \text{ mm}$
- Cable length: $l = 1090 \text{ mm}$

Detailed information and parameters of the test environment can
be found in the Fraunhofer IPA test report.

Stuttgart, June 18, 2014

i. A. 
Frank Bürger, Project Manager Fraunhofer IPA

DUPLICATE

The validity of this certificate
applies only to the mentioned
product in this particular
condition for a duration of
5 years.

Further information:
www.tested-device.com



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IPA