

# TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **21 055 - 04 HH**

Company **PULS GmbH**  
**Arabellastraße 15**  
**81925 München, GERMANY**

Product Description **DIN-Rail Power Supplies / Decoupling Module**

Type **MiniLine series**

Environmental Category **C, H, EMC2**

Technical Data /  
 Range of Application **ML30.100, In: 100-240V AC, 47-63Hz; Out: 24-28V DC, 1.2A, 30W**  
**ML30.101, In: 100-240V AC, 47-63Hz; Out: 5.0-5.5V DC, 5.0A, 25W**  
**ML30.106, In: 100-240V AC, 47-63Hz; Out: +/-12...15V DC, Pmax:36W**

**ML50.100, In: 100-240V AC, 47-63Hz; Out: 24-28V DC, 2.1A, 50W**  
**ML50.111 (alike ML50.100 but with plug connectors)**

**ML70.100, In: 100-120/220-240V AC; 47-63Hz; Out: 24-28V DC, 3.0A, 72W**

**ML100.100, In: 100-120/220-240V AC, 47-63Hz; Out: 24-28V DC, 4.2A, 100W**  
**ML100.102, In: 100-120/220-240V AC, 47-63Hz; Out: 12-15V DC, 7.5A, 90W**  
**ML100.105, In: 100-120/220-240V AC, 47-63Hz; Out: 48-56V DC, 2.1A, 100W**

**MLY02.100, Decoupling Module, Input 10-60V DC, 0-10A**

**Degree of protection IP20. Cold test passed with -25°C.**

**Derating of output power due to mounting position and ambient temperature may apply. Manufacturers specification is to be observed.**

Test Standard **Guidelines for the Performance of Type Approvals VI-7-2, Edition 2012.**

Documents **Test report PULS AN-327.030.00-XV, Issue2, dated 2004-09-04 with Appendices SLG: A9.x, A16.x, A22.x, A22.x-2, Appendices PULS: A20.x, A21.x; Data sheet and circuit diagram for each type. Add. Test report: PULS AN-327.030.00-XV, rev.1.**

Remarks **This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.**

Valid until **2019-09-04**

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File No. **I.M.03**

**Hamburg, 2014-10-27**

Type Approval Symbol



  
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