




Type Approval Certificate

Germanischer Lloyd

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

Certificate No.	1367499 HH
Company	HARTING Electric GmbH & Co. KG Marienwerderstraße 3 D-32339 Espelkamp
Product Description	Connectors for use in Signal, Control and Power Systems with locking device
Type	1. Han A, 2. Han D, 3. Han DD, 4. Han E / ES / ESS / EE, 5. Han-Com, 6. Han-Modular, 7. Han AV, 8. Han Q
Environmental Category	Pos.1, 3 - 8 = A, pos. 2 = D
Technical Data / Range of Application	1. Connector series Han A Han 3A, 4A : I = 10A, U = 230/400V, poles = 3+PE, 4+PE, connection =screw, 2,5 mm ² , housing = die cast zinc. or plastic, IP 44 (65) Han 10A, 16A, 32A : I = 16A, U = 250V, poles = 10, 16, 32 all types +PE, connection = screw 2,5 mm ² or crimp 4mm ² , housing = die cast al., IP65 2. Multiple connector series Han D Han 7D, 15D, 25D, 40D, 50D, 64D, 80D, 128D : I = 10A, U = 250V, poles = 7, 15, 25, 40, 50, 64, 80, 128 all types +PE, connection = crimp 2,5 mm ² , housing = die cast al. (7D additional plastic), IP65 3. Multiple connector series Han DD Han 24DD, 42DD, 72DD, 108DD, 144DD, 216DD : I = 10A, U = 250V, poles = 24, 42, 72, 108, 144, 216 all types +PE, connection = crimp 2,5 mm ² , housing = die cast al., IP65
Test Standard	Guidelines for the Perf. of Type Approvals:2003, DINEN175301-801/00 VDE 0110-1:/03, 0627/02, IEC 60529/02,60512-1/01, DIN IEC 60512-1/01
Documents	Test report No.: 8/95, 13/96, 7/96 e, 13/99, C 349/99,365/02 declarations of conformity (EN 45014), certificate SEV, UL reports No. E102079
Remarks	Referring current carrying capacity / ambient temperature the derating curves of manufacturer have to be observed
Valid until	2009-08-15
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Hamburg, 2004-08-16	

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4. Connector series Han E / ES / ESS / EE

Han 6E, 10E, 16E, 24E, 32E, 48E : I = 16A, U = 500V, poles = 6, 10, 16, 24, 32, 48 all types +PE,
connection = screw 2,5 mm², crimp 4 mm², housing = die cast al., IP65

Han 10EE, 18EE, 32EE, 46EE, 64EE, 92EE : I = 16A, U = 500V, poles = 10, 18, 32, 46, 64, 92 all types +PE,
connection = crimp 4 mm², housing = die cast al., IP65

Han 6ES, 10ES, 16ES, 24ES, 32ES, 48ES : I = 16A, U = 500V, poles = 6, 10, 16, 24, 32, 48 all types +PE,
connection = screwless 2,5 mm², housing = die cast al., IP65

Han 6ESS, 10 ESS, 16ESS, 24ESS, 32ESS, 48ESS : I = 16A, U = 500V, poles = 6, 10, 16, 24, 32, 48 all types +PE,
connection = double screwless 2,5 mm², housing = die cast al., IP65

5. Combined connector series Han-Com

Han K 4/0 : poles = 4 +PE, I = 80A, U = 830V, connection = screw 16 mm², housing = die cast al., IP65

Han K 4/2 : poles = 4 +PE, I = 80A, U = 830V, connection = screw 16 mm² and 2 poles, I = 16A, U = 400/690V,
connection = screw 2,5 mm², housing = die cast al., IP65

Han K 4/8 : poles = 4 +PE, I = 80A, U = 400V, connection = screw 16 mm² and 8 poles, I = 16A, U = 400V,
connection = screw 2,5 mm², housing = die cast al., IP65

Han K 6/6 : poles = 6 +PE, I = 100A, U = 690V, connection = screw 35 mm² and 6 poles, I = 16A, U = 400V,
connection = screw 2,5 mm², housing = die cast al., IP65

Han K 6/12 : poles = 6 +PE, I = 40A, U = 690V, connection = screw 10 mm² and 12 poles, I = 10A, U = 230/400V,
connection = screw 2,5 mm², housing = die cast al., IP65

Han K 6/36 : poles = 6 +PE, I = 40A, U = 690V, connection = crimp 6 mm² and 36 poles, I = 10A, U = 160V,
connection = crimp 2,5 mm², housing = die cast al., IP65

Han K 8/24 : poles = 8 +PE, I = 16A, U = 230/400V, connection = crimp 4 mm² and 24 poles, I = 10A, U = 160V,
connection = crimp 2,5 mm², housing = die cast al., IP65

Han K 12/2 : poles = 12 +PE, I = 40A, U = 690V, connection = crimp 6 mm² and 2 poles, I = 10A, U = 250V,
connection = crimp 2,5 mm², housing = die cast al., IP65

6. Module connector series Han-Modular

Han Axialschraub-Modul : poles = 2, I = 40A, U = 1000V, connection = screw 10 mm²

Han C-Modul : poles = 3, I = 40A, U = 400/690V, connection = crimp 6 mm²

Han E-Modul : poles = 6, I = 16A, U = 500V, connection = crimp 4 mm²

Han DD-Modul : poles = 12, I = 10A, U = 250V, connection = crimp 2,5 mm²

accessory : Fixed or hinged assembly-rack for 2, 3, 4 or 6 modules with PE-connection, material = die cast zinc.
Housing = die cast al., IP65

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7. Terminal block connector series Han AV

Han 6 E AV, 10 E AV, 16 E AV, 24 E AV, 32 E AV, 48 E AV short or long design : I = 16A, U = 500V,
poles = 6, 10, 16, 24, 32, 48 all types + PE, connection = screw 2,5 mm²

Han 6 ES AV, 10 ES AV, 16 ES AV, 24 ES AV, 32 ES AV, 48 ES AV : I = 16A, U = 500V,
poles = 6, 10, 16, 24, 32, 48 all types + PE, connection = screwless 2,5 mm²

Han 40 D AV, 64 D AV : I = 10A, U = 250V, poles = 40 +PE, 64 +PE, connection = screw 2,5 mm²

8. Connectors Han Q

Han Q 5/0 : I = 16A, U = 230/400V, poles = 5 +PE, connection = crimp 2,5 mm²,
housing = plastic IP65 or die cast zinc IP 44(65)

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