# Han<sup>®</sup> 3 A RJ45 Hybrid





#### Han® 3 A RJ45, Hybrid

### General information

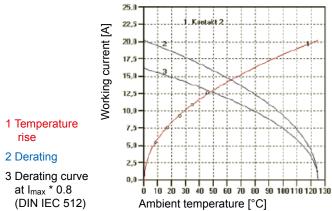
With the RJ Industrial Hybrid connector, HARTING has developed an interface solution that integrates the data lines and the power supply into one connector for hybrid Ethernet networks. The connector's geometry nevertheless maintains a clear separation between the data and the power contacts. This brings a significant reduction in the costs of installation and of field devices suitable for industrial application with hybrid cabling.

The panel feed-through is compatible with RJ45 connectors, which means that the standard patch cables for service and test purposes can be used. The data lines are connected at the rear via an RJ45 jack, while the power lines use a cage clamp terminal.

Optional the hybrid interface can be integrated in the device directly, thus preventing the use of rear side data lines.

The four power contacts of the hybrid module have also been designed with HARAX<sup>®</sup> rapid termination technology, allowing stranded cables of up to 1.5 mm<sup>2</sup> to be connected.

#### Current carrying capacity "Power contacts"



## **Technical characteristics**

Connector   Degree of protection   IP65 / IP67     Mating interface   RJ45, 4-poles acc. to IEC 60 603-7 plus 4x power     Temperature range   -40 °C +70 °C     Housing material   Plastic version   UL 94 V0, black     Metal version   Zinc die-cast, grey     Mating cycles   min. 500     Mounting   field-assembly     Data Cat. 5, 4-poles   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50173-1     Transmission performance   Category 6 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission rate     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded, 360° shielding contact     Cable diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     P   UL approved (E102079)     Panel feed-through   acc. to IEC 60603-7 plus 4 x power     Mati				
Degree of protection   IP65 / IP67     Mating interface   RJ45, 4-poles acc. to IEC 60 603-7     plus 4x power   Temperature range     Temperature range   -40 °C +70 °C     Housing material   Plastic version     UL 94 V0, black   Metal version     Mating cycles   min. 500     Mounting   field-assembly     Data Cat. 5, 4-poles   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 23/1 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   1.0 mm - 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm² stranded     Working	Connector			
Mating interfaceRJ45, 4-poles acc. to IEC 60 603-7 plus 4x powerTemperature range-40 °C +70 °CHousing materialPlastic versionUL 94 V0, blackMetal versionZinc die-cast, greyMating cyclesmin. 500Mountingfield-assemblyData Cat. 5, 4-polesTransmission performanceCategory 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1Transmission rate10/100 Mbit/sCable diameter strandedAWG 24/7 - AWG 22/1Data Cat. 6, 8-polesTransmission performance category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1Transmission performance category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1Transmission rate10/100 Mbit/s / 1 Gbit/sCable diameter stranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6Shielding cable outer diameter10.0 mm - 11.0 mmPowerIuly shielded, 360° shielding contact strandedWorking voltage working current4 for cable diameter 1.5 mm² strandedWorking voltage working current4 SVWorking interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7		IB65 / IB67		
plus 4x powerTemperature range-40 °C +70 °CHousing materialPlastic versionUL 94 V0, blackMetal versionZinc die-cast, greyMating cyclesmin. 500Mountingfield-assemblyData Cat. 5, 4-polesTransmission performanceCategory 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1Transmission rate10/100 Mbit/sCable diameter strandedAWG 24/7 - AWG 22/7 solidsolidAWG 23/1 - AWG 22/1Data Cat. 6, 8-polesCategory 6 / Class EA up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1Transmission performance Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1Transmission rate10/100 Mbit/s / 1 Gbit/sCable diameter stranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6Shielding contactCable outer diameter10.0 mm - 11.0 mmPowerNumber of contacts4 for cable diameter 1.5 mm² strandedNumber of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking utage48 VWorking interface extern:RJ45 female acc. to IEC 60603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60603-7	0 1			
Temperature range   -40 °C +70 °C     Housing material   Plastic version   UL 94 V0, black     Metal version   Zinc die-cast, grey     Mating cycles   min. 500     Mounting   field-assembly     Data Cat. 5, 4-poles   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission performance   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm - 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm²     Number of contacts   4 sec current carrying capacity	mating interface			
Housing material     Plastic version   UL 94 V0, black     Metal version   Zinc die-cast, grey     Mating cycles   min. 500     Mounting   field-assembly     Data Cat. 5, 4-poles   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission performance   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission performance   Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm - 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V   Working current   16 A, see curren	Tomporatura rango			
Plastic version   UL 94 V0, black     Metal version   Zinc die-cast, grey     Mating cycles   min. 500     Mounting   field-assembly     Data Cat. 5, 4-poles   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Data Cat. 6, 8-poles   Transmission performance     Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm²     Number of contacts   4 soc current carrying capacity     IM   UL approved (E102079)     Panel feed-through   acc. to IEC		-40 C +70 C		
Metal version   Zinc die-cast, grey     Mating cycles   min. 500     Mounting   field-assembly     Data Cat. 5, 4-poles   Transmission performance     Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded / solid     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm <sup>2</sup> Number of contacts   4 for cable diameter 1.5 mm <sup>2</sup> working voltage   48 V     Working current   16 A, see current carrying capacity     The performance   RJ45 female     acc. to IEC 60603-7		LIL 94 VO black		
Mating cycles   min. 500     Mounting   field-assembly     Data Cat. 5, 4-poles   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission performance   Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded / solid     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V   Working current   16 A, see current carrying capacity     PN   UL approved (E102079)   Panel feed-through     Mating interface extern:   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7		-		
Mounting   field-assembly     Data Cat. 5, 4-poles   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission performance   Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission performance   Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   10.0 mm - 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm <sup>2</sup> stranded     Working voltage   48 V   Working current   16 A, see current carrying capacity     PN   UL approved (E102079)   Panel feed-through   Mating interface     Mating interface   RJ45 female   acc. to IEC				
Data Cat. 5, 4-poles     Transmission performance     Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11 801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded / solid     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm <sup>2</sup> stranded     Working voltage   48 V   Working current     Working current   16 A, see current carrying capacity     Panel feed-through   Mating interface     exterm:   RJ45 female     acc. to IEC 60 603-7   plus 4 x power     Mating interface   RJ45 female     interm:   RJ45 female  <	• •			
Transmission performance   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded / solid     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V   Working current   16 A, see current carrying capacity     FM   UL approved (E102079)   Panel feed-through   Lapproved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60603-7 plus 4 x power   Mating interface intern:   RJ45 female acc. to IEC 60603-7	wounting	neid-assembly		
Transmission performance   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded / solid     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V   Working current   16 A, see current carrying capacity     FM   UL approved (E102079)   Panel feed-through   Lapproved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60603-7 plus 4 x power   Mating interface intern:   RJ45 female acc. to IEC 60603-7				
Transmission performance   Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s     Cable diameter   stranded     stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Transmission performance   Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded / solid     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V   Working current   16 A, see current carrying capacity     FM   UL approved (E102079)   Panel feed-through   Lapproved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60603-7 plus 4 x power   Mating interface intern:   RJ45 female acc. to IEC 60603-7	Data Cat 5 4 salas			
Category 5 / Class D up to 100 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1 Transmission rate 10/100 Mbit/s Cable diameter stranded AWG 24/7 - AWG 22/7 solid AWG 23/1 - AWG 22/1 Data Cat. 6, 8-poles Transmission performance Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1 Transmission rate 10/100 Mbit/s / 1 Gbit/s Cable diameter stranded / solid AWG 27 - AWG 22 Both, data Cat. 5 and Cat. 6 Shielding fully shielded, 360° shielding contact Cable outer diameter 10.0 mm – 11.0 mm Power Number of contacts 4 for cable diameter 1.5 mm <sup>2</sup> stranded Working voltage 48 V Working current 16 A, see current carrying capacity <b>P</b> anel feed-through Mating interface extern: RJ45 female acc. to IEC 60603-7 plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60603-7				
to ISÔ/IÈC 11801:2002, prEN 50 173-1Transmission rate10/100 Mbit/sCable diameterAWG 24/7 - AWG 22/7solidAWG 23/1 - AWG 22/1Data Cat. 6, 8-polesTransmission performanceCategory 6 / Class EA up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50 173-1Transmission rate10/100 Mbit/s / 1 Gbit/sCable diameterstranded / solidstranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6ShieldingShieldingfully shielded, 360° shielding contactCable outer diameter10.0 mm - 11.0 mmPowerNumber of contactsNumber of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityThe sec on the face extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7	Transmission performa			
Transmission rate10/100 Mbit/sCable diameter strandedAWG 24/7 - AWG 22/7 AWG 23/1 - AWG 22/1Data Cat. 6, 8-poles		to ISO/IEC 11801 2002 prEN 50 173-1		
Cable diameter   stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Category 6 / Class E <sub>A</sub> up to 500 MHz acc.   to ISO/IEC 11801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded / solid     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts     Number of contacts   4 for cable diameter 1.5 mm²     stranded   Working voltage     Working voltage   48 V     Working current   16 A, see current carrying capacity     FN   UL approved (E102079)     Panel feed-through   acc. to IEC 60603-7     Mating interface   RJ45 female     acc. to IEC 60603-7   plus 4 x power     Mating interface   RJ45 female     acc. to IEC 60603-7   plus 4 x power	Transmission rate	•		
stranded   AWG 24/7 - AWG 22/7     solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   acc. to ISO/IEC 11801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   acc. to ISO/IEC 11801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   stranded     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding contact     Cable outer diameter   10.0 mm - 11.0 mm     Power   Number of contacts   4 for cable diameter 1.5 mm <sup>2</sup> stranded     Working voltage   48 V   Working current   16 A, see current carrying capacity     Image: Stranded   UL approved (E102079)   Panel feed-through     Mating interface   acc. to IEC 60 603-7   plus 4 x power     Mating interface   RJ45 female   acc. to IEC 60 603-7     intern:   RJ45 female   acc. to IEC 60 603-7				
solid   AWG 23/1 - AWG 22/1     Data Cat. 6, 8-poles   Transmission performance     Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   attransmission     stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6   Shielding     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   Number of contacts     Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     Power   UL approved (E102079)     Panel feed-through   Mating interface extern:     RJ45 female acc. to IEC 60603-7 plus 4 x power     Mating interface   RJ45 female acc. to IEC 60603-7     intern:   RJ45 female acc. to IEC 60603-7		AWG 24/7 - AWG 22/7		
Transmission performance Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50173-1Transmission rate10/100 Mbit/s / 1 Gbit/sCable diameter stranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6 Shieldingfully shielded, 360° shielding contactCable outer diameter10.0 mm – 11.0 mmPower Number of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityWUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60603-7				
Transmission performance Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50173-1Transmission rate10/100 Mbit/s / 1 Gbit/sCable diameter stranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6 Shieldingfully shielded, 360° shielding contactCable outer diameter10.0 mm – 11.0 mmPower Number of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityWUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60603-7				
Transmission performance Category 6 / Class E <sub>A</sub> up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50173-1Transmission rate10/100 Mbit/s / 1 Gbit/sCable diameter stranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6 	Data Cat. 6. 8-poles			
Category 6 / Class EA up to 500 MHz acc. to ISO/IEC 11801:2002, prEN 50173-1Transmission rate10/100 Mbit/s / 1 Gbit/sCable diameter stranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6ShieldingShieldingfully shielded, 360° shielding contactCable outer diameter10.0 mm – 11.0 mmPowerNumber of contactsNumber of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 V Working currentVorking current16 A, see current carrying capacityNuUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7		nce		
to ISO/IEC 11801:2002, prEN 50173-1     Transmission rate   10/100 Mbit/s / 1 Gbit/s     Cable diameter   aWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   number of contacts     Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     Image: Stranded   UL approved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7	riansinission periorna			
Cable diameter stranded / solid   AWG 27 - AWG 22     Both, data Cat. 5 and Cat. 6     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   10.0 mm – 11.0 mm     Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     Image: Strange contacts   UL approved (E102079)     Panel feed-through Mating interface extern:   RJ45 female acc. to IEC 60603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60603-7				
stranded / solidAWG 27 - AWG 22Both, data Cat. 5 and Cat. 6Shieldingfully shielded, 360° shielding contactCable outer diameter10.0 mm – 11.0 mmPower10.0 mm – 11.0 mmNumber of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityNumber of contacts4 see current carrying capacityNumber of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking interfaceUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7	Transmission rate	10/100 Mbit/s / 1 Gbit/s		
Both, data Cat. 5 and Cat. 6     Shielding   fully shielded, 360° shielding contact     Cable outer diameter   10.0 mm – 11.0 mm     Power   10.0 mm – 11.0 mm     Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     Image: Stranded   UL approved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7	Cable diameter			
Shielding Cable outer diameterfully shielded, 360° shielding contact 10.0 mm - 11.0 mmPower Number of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityWUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7	stranded / solid	AWG 27 - AWG 22		
Shielding Cable outer diameterfully shielded, 360° shielding contact 10.0 mm - 11.0 mmPower Number of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityWUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7				
Cable outer diameter10.0 mm - 11.0 mmPowerNumber of contacts4 for cable diameter 1.5 mm² strandedNumber of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityNumber of contactsUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7	Both, data Cat. 5 and Cat. 6			
Cable outer diameter10.0 mm - 11.0 mmPowerNumber of contacts4 for cable diameter 1.5 mm² strandedNumber of contacts4 for cable diameter 1.5 mm² strandedWorking voltage48 VWorking current16 A, see current carrying capacityNumber of contactsUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7	Shielding	fully shielded, 360° shielding contact		
Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     W   UL approved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7	Cable outer diameter			
Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     W   UL approved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7				
Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     W   UL approved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7				
Number of contacts   4 for cable diameter 1.5 mm² stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     W   UL approved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7	Power			
stranded     Working voltage   48 V     Working current   16 A, see current carrying capacity     N   UL approved (E102079)     Panel feed-through   KJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7		1 for cable diameter 1 5 mm <sup>2</sup>		
Working voltage   48 V     Working current   16 A, see current carrying capacity     N   UL approved (E102079)     Panel feed-through   RJ45 female acc. to IEC 60 603-7 plus 4 x power     Mating interface intern:   RJ45 female acc. to IEC 60 603-7	Number of contacts			
Working current16 A, see current carrying capacityWUL approved (E102079)Panel feed-through Mating interface extern:RJ45 female acc. to IEC 60 603-7 plus 4 x powerMating interface intern:RJ45 female acc. to IEC 60 603-7	Working voltage			
W   UL approved (E102079)     Panel feed-through   Mating interface     extern:   RJ45 female     acc. to IEC 60 603-7     plus 4 x power     Mating interface     intern:   RJ45 female     acc. to IEC 60 603-7     plus 4 x power	• •			
Panel feed-through Mating interface extern: RJ45 female acc. to IEC 60 603-7 plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60 603-7		To A, see current carrying capacity		
Panel feed-through Mating interface extern: RJ45 female acc. to IEC 60 603-7 plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60 603-7	<b>9</b> 1	III approved (E102070)		
Mating interface extern: RJ45 female acc. to IEC 60 603-7 plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60 603-7		OL approved (E102079)		
Mating interface extern: RJ45 female acc. to IEC 60 603-7 plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60 603-7	Devial food there are			
extern: RJ45 female acc. to IEC 60 603-7 plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60 603-7	•			
acc. to IEC 60 603-7 plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60 603-7	0	P 145 female		
plus 4 x power Mating interface intern: RJ45 female acc. to IEC 60 603-7				
Mating interface intern: RJ45 female acc. to IEC 60 603-7				
intern: RJ45 female acc. to IEC 60 603-7	Mating interface			
		RJ45 female		
4 x power via cable cage clamp 1.5 mm <sup>2</sup>				
		4 x power via cable cage clamp 1.5 mm <sup>2</sup>	•	

Han