General information  Design IEC 60603-2 No. of contacts Signal: 21 or 24 Contact spacing 2,54 mm x 5,08 mm  Test voltage Signal: 1550V Contact resistance Inin. 10°0hm Morking current Signal: 6A at 20°C Temperature range -55°C +125°C Temperature range -55°C +125°C Temperature range Signal: min. 1,6 mm Creepage Signal: min. 1,6 mm Insertion and withdrawal force Inin. 3,0 mm Insertion Inin. 4,6 mm Insertion Inin. 5,0 mm Insertion Inin. 6,66063-2 => PL2 acc. to IEC 60603-2 => PL3 acc. to IEC 60603-2 => PL4 acc. to IEC 60603-2 => PL5	3 4	5 6 7 8
General information  Design IEC 60603-2 No. of contacts Signal: 21 or 24 Contact spacing 2,54 mm x 5,08 mm Test voltage Signal: 1550V Contact resistance Signal: 1550V Contact resistance min. 10°0hm Working current Signal: 6A at 20°C Temperature range -55°C +125°C Temperature range Signal: min. 1,6 mm Creepage Signal: min. 3,0 mm Insertion and withdrawal force Signal: min. 3,0 mm Insertion and withdrawal force max. 85N  — PL1 acc. to IEC 60603-2 => — PL2 acc. to IEC 60603-2 => — PL3 acc. to IEC 60603-2 => — PL3 acc. to IEC 60603-2 => — PL4 acc. to IEC 60603-2 => — PL5 acc. to IEC 60603-2 => — PL6 acc. to IEC 60603-2 => — PL7 acc. to IEC 60603-2 => — PL8 acc. to IEC 60603-2 => — PL9 acc. to IEC 60603-	·	Soldering instructions
Design IEC 60603-2  No. of contacts Signal: 21 or 24  Contact spacing 2,54 mm x 5,08 mm  Test voltage Signal: 1550V  Contact resistance Signal: max. 15m0hm  Insulation resistance min. 10°0hm  Working current Signal: 6A at 20°C  Temperature range -55°C +125°C  Temperature range -55°C +125°C  Termination technology solder pins, faston  Clearance Signal: min. 1,6 mm  Creepage Signal: min. 3,0 mm  Insertion and withdrawal force max. 85N  - PL1 acc. to IEC 60603-2 ⇒ PL2 acc. to IEC 60603-2 ⇒ PL3 acc. to IEC 60603-2 ⇒ PL3 acc. to IEC 60603-2 ⇒ PL3 acc. to IEC 60603-2 ⇒ PL4 plugging No  UL file E102079  RoHS - compliant Yes  Insulator material  Material PBT (thermoplastics, glass file Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 ≤ CTI < 400)  NFF classification I3, F4  Contact material  Contact material  Contact material Copper alloy  Plating termination zone Signal: An over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	male connector RoHS	Lus
Design IEC 60603-2  No. of contacts Signal: 21 or 24  Contact spacing 2,54 mm x 5,08 mm  Test voltage Signal: 1550V  Contact resistance Signal: max. 15m0hm  Insulation resistance min. 10°0hm  Working current Signal: 6A at 20°C  Temperature range -55°C +125°C  Temperature range -55°C +125°C  Termination technology solder pins, faston  Clearance Signal: min. 1,6 mm  Creepage Signal: min. 3,0 mm  Insertion and withdrawal force max. 85N  - PL1 acc. to IEC 60603-2 ⇒ PL2 acc. to IEC 60603-2 ⇒ PL3 acc. to IEC 60603-2 ⇒ PL3 acc. to IEC 60603-2 ⇒ PL3 acc. to IEC 60603-2 ⇒ PL4 plugging No  UL file E102079  RoHS - compliant Yes  Insulator material  Material PBT (thermoplastics, glass file Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 ≤ CTI < 400)  NFF classification I3, F4  Contact material  Contact material  Contact material Copper alloy  Plating termination zone Signal: An over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		The connectors should be protected when being soldered in a dip, flow or film soldering bath. Otherwise, they might become contaminated as a result of soldering operations or deformed as a result of overheating.
No. of contacts  Contact spacing  Test voltage  Signal: 21 or 24  Contact spacing  Z,54 mm x 5,08 mm  Test voltage  Signal: max. 15m0hm  Insulation resistance  min. 10°0hm  Working current  Signal: 6A at 20°C  Temperature range  -55°C +125°C  Termination fechnology  Solder pins, faston  Clearance  Signal: min. 1,6 mm  Creepage  Signal: min. 3,0 mm  Insertion and withdrawal force  max. 85N  - PL1 acc. to IEC 60603-2 ⇒  PL3 acc. to IEC 60603-2 ⇒  UL file  E102079  RoHS - compliant  Yes  Leadfree  Yes  Hot plugging  No  Material  Colour  Material  Colour  RAL 7032 (grey)  UL classification  UL 94-V0  Material group acc. to IEC 60664-1  Illa (175 ≤ CTI < 400)  NFF classification  NFF classification  Contact material  Cont		(1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa.de). Cover the undersi of the connector moulding and the adjacent parts of the pcb as well as the open sides of the connector. This will prevent heat and gases of
No. of contacts  Contact spacing  Test voltage  Signal: 21 or 24  Contact spacing  Z,54 mm x 5,08 mm  Test voltage  Signal: max. 15m0hm  Insulation resistance  min. 10°0hm  Working current  Signal: 6A at 20°C  Temperature range  -55°C +125°C  Termination fechnology  Solder pins, faston  Clearance  Signal: min. 1,6 mm  Creepage  Signal: min. 3,0 mm  Insertion and withdrawal force  max. 85N  - PL1 acc. to IEC 60603-2 ⇒  PL3 acc. to IEC 60603-2 ⇒  UL file  E102079  RoHS - compliant  Yes  Leadfree  Yes  Hot plugging  No  Material  Colour  Material  Colour  RAL 7032 (grey)  UL classification  UL 94-V0  Material group acc. to IEC 60664-1  Illa (175 ≤ CTI < 400)  NFF classification  NFF classification  Contact material  Cont		soldering apparatus from damaging the connector. About 140 + 5 mm of the tape should suffice.
Contact spacing 2,54 mm x 5,08 mm  Test voltage Signal: 1550V  Contact resistance Signal: max. 15m0hm  Insulation resistance min. 10°0hm  Working current Signal: 6A at 20°C  Temperature range -55°C +125°C  Termination technology solder pins, faston  Clearance Signal: min. 1,6 mm  Creepage Signal: min. 3,0 mm  Insertion and withdrawal force max. 85N  - PL1 acc. to IEC 60603-2 =>  PL3 acc. to IEC 60603-2 =>  PL4 acc. to IEC 60603-2 =>  PL5 compliant Yes  UL file E102079  ROHS - compliant Yes  Hot plugging No  Insulator material  Material PBT (thermoplastics, glass file Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 < CTI < 400)  MFF classification I3, F4  Contact material  Contact material  Contact material  Contact material Copper alloy  Plating contact zone Signal: Sn over Ni  Plating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	types: MH 24+7, 21+5 male	(2) For large series a jig is recommended. Its protective cover with a fast action mechanical locking device shields the connectors from gas and
Test voltage  Contact resistance  Control and withdrawal force  Contact material  Contact material  Contact material  Contact material  Contact material  Control and dest procedures according to DIN IEC 60512-5  Control and test procedures	Power: 5 or 7	heat generated by the soldering apparatus. As an additional protection a foil can be used for covering the parts that should not be soldered.
Contact resistance  Insulation resistance  Insulation resistance  Insulation resistance  Morking current  Signal: 6A at 20°C  Temperature range  -55°C +125°C  Termination technology  Solder pins, faston  Creepage  Signal: min. 1,6 mm  Creepage  Signal: min. 3,0 mm  Insertion and withdrawal force  Mating cycles  - PL1 acc. to IEC 60603-2 =>  PL3 acc. to IEC 60603-2 =>  UL file  E102079  RoHS - compliant  Yes  Leadfree  Yes  Hot plugging  No  Insulator material  Material  PBT (thermoplastics, glass file Colour  RAL 7032 (grey)  UL 94-V0  Material group acc. to IEC 60664-1  Illa (175 ≤ CTI < 400)  NFF classification  I3, F4  Contact material  A  A  A	Power: 3100V	Cross section of solder pins
Insulation resistance  Working current  Signal: 6A at 20°C  Temperature range  -55°C +125°C  Termination technology  Clearance  Signal: min. 1,6 mm  Creepage  Signal: min. 3,0 mm  Insertion and withdrawal force  Mating cycles  - PL1 acc. to IEC 60603-2 ⇒  PL3 acc. to IEC 60603-2 ⇒  UL file  E102079  RoHS - compliant  Yes  Leadfree  Yes  Hot plugging  No  Insulator material  Material  PBT (thermoplastics, glass file Colour  RAL 7032 (grey)  UL classification  UL 94-V0  Material group acc. to IEC 60664-1  Illa (175 ≤ CTI < 400)  NFF classification  I3, F4  Contact material  A  A  A  B  Contact material  Contact material  Contact material  Contact ma	Power: max. 8m0hm	· ·
Working current  Temperature range  Temperature range  Temperature range  Temination technology  Solder pins, faston  Clearance  Signal: min. 1,6 mm  Treepage  Signal: min. 3,0 mm  Insertion and withdrawal force  Max. 85N  PL1 acc. to IEC 60603-2 =>  Mating cycles  PL2 acc. to IEC 60603-2 =>  PL3 acc. to IEC 60603-2 =>  PL4 acc. to IEC 60603-2 =>  PL5 acc. to IEC 60603-2 =>  PL7 acc. to IEC 60603-2 =>  PL8 acc. to IEC 60603-2 =>  PL9 acc. to IEC 60603-2 =>  UL file  E102079  RoHS - compliant  Yes  Leadfree  Yes  Hot plugging  No  Insulator material  PBT (thermoplastics, glass file following file file following file following file file following file file file following file file following file file file following file file file file following file file file file following file file file file file file file file	ruwer: max. omornin	Signal Power
Temperature range	Power: 15A at 20°C	
Termination technology  Clearance  Signal: min. 1,6 mm  Creepage  Signal: min. 3,0 mm  Insertion and withdrawal force  max. 85N  - PL1 acc. to IEC 60603-2 =>  PL2 acc. to IEC 60603-2 =>  - PL3 acc. to IEC 60603-2 =>  - PL3 acc. to IEC 60603-2 =>  PL3 acc. to IEC 60603-2 =>  PL4 acc. to IEC 60603-2 =>  - PL3 acc. to IEC 60603-2 =>  PL5 acc. to IEC 60603-2 =>  PL6 60603-2 =>  PL7 acc. to IEC 60603-2 =>  PL8 acc. to IEC 60603-2 =>  PL9 acc. to IEC 60604-1  III a	1 <b>0 me</b> 1 me	0,29 - 0,34 mm <sup>2</sup>
Clearance Creepage Creepage Signal: min. 1,6 mm Creepage Signal: min. 3,0 mm Insertion and withdrawal force max. 85N - PL1 acc. to IEC 60603-2 => PL2 acc. to IEC 60603-2 => PL3 acc. to IEC 60603-2 => PL3 acc. to IEC 60603-2 => PL4 acc. to IEC 60603-2 => PL5 acc. to IEC 60603-2 => PL5 acc. to IEC 60603-2 => PL6 file E102079 RoHS - compliant Yes Leadfree Yes Hot plugging No  Insulator material  Material PBT (thermoplastics, glass file Colour RAL 7032 (grey) UL classification UL 94-V0 Material group acc. to IEC 60664-1 IIIa (175 ≤ CTI < 400) NFF classification I3, F4  Contact material  Contact material  Contact material  Contact material  Contact material  Copper alloy Plating contact zone Signal: Sn over Ni Plating contact zone Signal: Au over PdNi over Ni Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		0,89 - 0,97 mm <sup>2</sup>
Insertion and withdrawal force  - PL1 acc. to IEC 60603-2 => - PL3 acc. to	Power: min. 4,5 mm	
Insertion and withdrawal force    PL1 acc. to IEC 60603-2 => PL3 acc. to IEC 60603-2 => PE3 acc. to IE	Power: min. 8,0 mm	0,53±0,03
Mating cycles  - PL3 acc. to IEC 60603-2 => - PL3 acc. to IEC 60603-2 =>  UL file  E102079  ROHS - compliant  Yes  Leadfree  Yes  Hot plugging  No  Insulator material  Material  PBT (thermoplastics, glass file follow)  UL 94-V0  Material group acc. to IEC 60664-1  Material group acc. to IEC 60664-1  NFF classification  I3, F4  Contact material  Copper alloy  Plating termination zone  Signal: Sn over Ni  Plating contact zone  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
- PL3 acc. to IEC 60603-2 =>  UL file E102079  RoHS - compliant Yes  Leadfree Yes  Hot plugging No  Insulator material  Material PBT (thermoplastics, glass file Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 ≤ CTI < 400)  NFF classification I3, F4  Contact material  Contact material  Contact material  Contact material  Contact material Copper alloy  Plating termination zone Signal: Sn over Ni  Plating contact zone Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carpacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	500 mating cycles	
UL file E102079  RoHS - compliant Yes  Leadfree Yes  Hot plugging No  Insulator material  Material PBT (thermoplastics, glass file Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 ≤ CTI < 400)  NFF classification I3, F4  Contact material  Contact material  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone Signal: Sn over Ni  Plating contact zone Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carpacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	400 mating cycles	
RoHS - compliant  Leadfree  Yes  Hot plugging  No  Insulator material  Material  Material  PBT (thermoplastics, glass fi Colour  RAL 7032 (grey)  UL classification  UL 94-V0  Material group acc. to IEC 60664-1  NFF classification  IIIa (175 ≤ CTI < 400)  NFF classification  IIIa (175 ≤ CTI < 400)  NFF classification  Contact material  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone  Signal: Sn over Ni  Plating contact zone  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	50 mating cycles	<u> </u>
Leadfree Yes  Hot plugging No  Insulator material  Material PBT (thermoplastics, glass fi Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 ≤ CTI < 400)  NFF classification I3, F4  Contact material  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone Signal: Sn over Ni  Plating contact zone Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		<u> </u>
Hot plugging  No  Insulator material  Material PBT (thermoplastics, glass fi Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 ≤ CTI < 400)  NFF classification I3, F4  Contact material  Contact material  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone Signal: Sn over Ni  Plating contact zone Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
Insulator material  Material PBT (thermoplastics, glass fi Colour RAL 7032 (grey)  UL classification UL 94-V0  Material group acc. to IEC 60664-1 Illa (175 < CTI < 400)  NFF classification I3, F4  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone Signal: Sn over Ni  Plating contact zone Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
Material  Colour  RAL 7032 (grey)  UL classification  UL 94-V0  Material group acc. to IEC 60664-1  NFF classification  IIIa (175 ≤ CTI < 400)  NFF classification  I3, F4  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone  Plating contact zone  Signal: An over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		<u> </u>
Colour  RAL 7032 (grey)  UL classification  UL 94-V0  Material group acc. to IEC 60664-1  IIIa (175 ≤ CTI < 400)  NFF classification  I3, F4  Contact material  Contact material  Copper alloy  Plating termination zone  Signal: Sn over Ni  Plating contact zone  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	<del></del>	
Colour  RAL 7032 (grey)  UL classification  UL 94-V0  Material group acc. to IEC 60664-1  IIIa (175 ≤ CTI < 400)  NFF classification  I3, F4  Contact material  Contact material  Copper alloy  Plating termination zone  Signal: Sn over Ni  Plating contact zone  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
UL classification  Material group acc. to IEC 60664-1  NFF classification  I3, F4  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone  Plating contact zone  Signal: Sn over Ni  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	per reinforcement 30%)	
Material group acc. to IEC 60664-1  NFF classification  I3, F4  Contact material  Contact material  Contact material  Copper alloy  Plating termination zone  Plating contact zone  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
Contact material  Contact material  Contact material  Copper alloy  Plating termination zone  Plating contact zone  Signal: Sn over Ni  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		<u> </u>
Contact material  Contact material  Copper alloy  Plating termination zone  Plating contact zone  Signal: Sn over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
Contact material  Plating termination zone  Plating contact zone  Signal: Sn over Ni  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
Plating termination zone  Plating contact zone  Signal: Sn over Ni  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	: 	
Plating contact zone  Signal: Au over PdNi over Ni  Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5		
Derating diagram acc. to IEC 60512-5 (Current carrying capacity)  The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  A  Control and test procedures according to DIN IEC 60512-5	Power: Sn over Ag over Ni	
The current carrying capacity is limited by maximum temperature of materials for The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5	Power: Ag over Ni	
The current capacity curve is valid for continuous, non interrupted current loaded exceeding the maximum temperature.  A  Control and test procedures according to DIN IEC 60512-5	<del></del>	
exceeding the maximum temperature.  Control and test procedures according to DIN IEC 60512-5  PRO  PRO  A  6  PRO  A  BRO  A  BRO  BRO  BRO  BRO  BRO	nserts and contacts including terminals. contacts of connectors when simultaneous nower on all contacts is given without	
according to DIN IEC 60512-5  [Y 5 Peo]	Α	
according to DIN IEC 60512-5  [Y 5 Peo]	15	
Pod 4   1   1   1   1   1   1   1   1   1	12	
	<del>\                                    </del>	All Dimensions in mm Scale Pree size tol.  Original Size DIN A3 1:1 Ref.  Sub. DS 09 06 120 00 01 / EC01557 / 28.04.11
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