

Product description	Contacts: 8, Cable outlet: 5 - 9 mm, RJ45male connector, shieldable, CAT 6A, cross-section AWG 26/1-AWG 24/1, AWG 27/7-AWG 24/7
Area	M12-D, M12-X Series 825 X-coding
Order number	99 9687 814 08

Illustration	Scale drawing	Contact arrangement																											
		<table border="1" style="margin: 10px auto;"> <thead> <tr> <th></th> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr><td>1</td><td>1,40</td><td>-2,80</td></tr> <tr><td>2</td><td>2,80</td><td>-1,40</td></tr> <tr><td>3</td><td>2,80</td><td>1,40</td></tr> <tr><td>4</td><td>1,40</td><td>2,80</td></tr> <tr><td>5</td><td>-1,40</td><td>2,80</td></tr> <tr><td>6</td><td>-2,80</td><td>1,40</td></tr> <tr><td>7</td><td>-2,80</td><td>-1,40</td></tr> <tr><td>8</td><td>-1,40</td><td>-2,80</td></tr> </tbody> </table> <p style="font-size: small;">1 weiß-orange / white-orange 2 orange / orange 3 weiß-grün / white-green 4 grün / green 5 weiß-braun / white-brown 6 braun / brown 7 weiß-blau / white-blue 8 blau / blue</p> <p style="font-size: x-small;">Schirm auf Gehäuse shield on housing</p>		X	Y	1	1,40	-2,80	2	2,80	-1,40	3	2,80	1,40	4	1,40	2,80	5	-1,40	2,80	6	-2,80	1,40	7	-2,80	-1,40	8	-1,40	-2,80
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Technical data

General values

Connector design	RJ45-male connector
Connector locking system	lock
Termination	penetration technique
Wire gauge (AWG)	27-24
Cable outlet	5,0 - 9,0 mm
Upper limit temperature	85 °C
Lower limit temperature	-25 °C

Cable data

Approval 1	UL listed
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Electrical values

Rated current (40 °C)	1,3 A
Rated voltage	50 V
Rated impulse voltage	800 V
Pollution degree	2
Overvoltage category	III
Insulating material group	II
Volume resistivity	≤ 20 mΩ
EMC compliance	shieldable
Degree of protection	IP20
Mechanical operation	> 100 Mating cycles

Material

Contact material	Spring steel
Contact plating	Au (gold)
Contact body material	PC
Housing material	Zinc die-cast nickel-plated

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Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Cable plug AWG27/7-22/7 99 9687 810 08 & AWG27/7-24/7 99 9687 805 08
Montagehinweis / Mounting information (Montageanleitung siehe / Mounting instructions see www.binder-connector.de)



70

50

15

5

0

mm

1 **S/FTP** min. 50 mm

U/FTP min. 100 mm

SF/UTP min. 50 mm

Schirmfolie anritzen und entfernen
score and remove the foil screen

Trennkreuz abschneiden
cut off cross separator

Geflechtschirm nach hinten legen / fold braided shield backwards

Beilaufrdraht gewickelt
Drain wire wrapped

2 **T568A** Adernpaare vorsortieren
sort pairs

Kabelseite 1 / cable end 1

5 mm

Paarabschirmung bis auf max. 5 mm entfernen

Kabelseite 2 / cable end 2

T568B *presort pairs*

Kabelseite 1 / cable end 1

5 mm

remove pair screen to max. 5 mm

Kabelseite 2 / cable end 2

3 **S/FTP, U/FTP und / and SF/UTP**

Adernmanager weiß / wire manager white für / for Ø1,0 - 1,6 mm

Adernmanager grau / wire manager grey für / for Ø 0,85 - 1,1 mm

Sorgfältige Glättung der Einzeladern vor dem Einführen in den Adernmanager
smooth wires accurately before inserting into the wire manager

Adernpaare entdrillen und in den Adernmanager einführen / untwist and insert pairs into the wire manager

4

Zangenschlüssel Plier-Wrench 1 3/8"

Parallel Presswerkzeug Parallel Press Tool

5 Alle Adern bündig abschneiden, max. 0,5 mm überstehend
cut all wires protruding max. 0,5 mm

6 Montagehilfe entfernen
remove assembly aid

7

ca. 18 mm

8 Adernmanager kann mit Schirmdeckel in Endlage gebracht werden / wire manager can be brought to end position by means of screen cover

T568A

T568B

Einschieben des Adernmanagers
insert the wire manager

9 Gehäusestelle verrasten
press housing parts until snap-in

Kabelabfangung ist in 4 Stufen fixierbar
Cable relief is fixable in four-step

Anschluss/Connection		Anwendung/Application					
Farbcode Colour code	PROFINET	RJ45 PIN Nr./No.	100BT	10Gigabit Ethernet	Token Ring ISDN/So	Upo/ TEL	
A	B						
W - G	W - O	YE	1	•	•		
G	O	O	2	•	•		
W - O	W - G	W	3	•	•		
BL	BL	-	4	•	•		
W - BL	W - BL	-	5	•	•	•	
O	G	BL	6	•	•		
W - BR	W - BR	-	7	•	•		
BR	BR	-	8	•	•		

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