## PLC-BSC- 24UC/21HC - Relay base

2967785

https://www.phoenixcontact.com/us/products/2967785

**PHŒNIX** CONTACT

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



14 mm PLC basic terminal block for high continuous currents with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 24 V AC/DC

### **Commercial Data**

Item number	2967785
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C461
Product Key	CK6211
GTIN	4017918174187
Weight per Piece (including packing)	65.6 g
Weight per Piece (excluding packing)	57.94 g
Customs tariff number	85366990
Country of origin	DE

# PLC-BSC- 24UC/21HC - Relay base

2967785

https://www.phoenixcontact.com/us/products/2967785



### **Technical Data**

#### Notes

EMC note     EMC: class A product, see manufacturer's declaration in the download area       Product type     Relay socket       Product family     PLC-INTERFACE       Application     High continuous currents       Operating mode     100% operating factor       Compatible components     Miniature relay, REL-MR-24DC/21HC       Insulation characteristics     3       Pototive circuit     Bridge rectifier       Insulation characteristics     S       Protective circuit     Bridge rectifier       Output data     Compatible components       Commethod     Screw connection       Stripping length     8 mm       Screw thread     M3       Conductor cross section rigid     0.44 mm <sup>2</sup> .2.5 mm <sup>2</sup> Output cross section rigid     0.41 mm <sup>2</sup> .2.5 mm <sup>2</sup> Conductor cross section rigid     0.4 mm <sup>2</sup> .2.5 mm <sup>2</sup>	Utilization restriction	
Product type     Relay socket       Product family     PLC-INTERFACE       Application     High continuous currents       Operating mode     100% operating factor       Compatible components     Miniature relay, REL-MR-24DC/21HC       Insulation characteristics     3       Pollition degree     3       Electrical properties     Bridge rectifier       Protective circuit     Bridge rectifier       Input data     24 V AC/DC       Protective circuit     Bridge rectifier       Output data     Compatible components       Compatible components     Miniature relay, REL-MR-24DC/21HC       Output data     Econection method       Screw thread     Miniature relay, REL-MR-24DC/21HC       Connection method     Screw connection       Stripping length     8 mm       Screw thread     Ma       Conductor cross section fiexible     0.14 mm <sup>2</sup> 25 mm <sup>2</sup> Conductor cross section fiexible     2514       Output of cross section AWG     2614       Tightening torque     0.6 Nm0.8 Nm       Status displey     LED       Width <td>EMC note</td> <td></td>	EMC note	
Product family     PLC-INTERFACE       Application     High continuous currents       Operating mode     100% operating factor       Compatible components     Miniature relay, REL-MR-24DC/21HC       Insulation characteristics     Pollution degree       Pollution degree     3       Etertrical properties     Bridge rectifier       Input data     Nominal input voltage U <sub>N</sub> Protective circuit     Bridge rectifier       Nominal input voltage U <sub>N</sub> 24 V AC/DC       Protective circuit     Bridge rectifier       Compatible components     Miniature relay, REL-MR-24DC/21HC       Output data     Connection method       Screw torong the components     Miniature relay, REL-MR-24DC/21HC       Connection method     Screw connection       Strapping length     8 mm       Screw thread     0.14 mm² 2.5 mm²       Conductor cross section figible     0.14 mm² 2.5 mm²       Output cross section figible     0.14 mm² 2.5 mm²       Conductor cross section figible     0.14 mm² 2.5 mm²       Conductor cross section AWG     26 14       Tighening torque     0.6 Nm 0.8 Nm	Product properties	
Application High continuous currents   Operating mode 100% operating factor   Compatible components Miniature relay, REL-MR-24DC/21HC   Insulation characteristics Pollution degree   Pollution degree 3   Electrical properties Bridge rectifier   Insulation characteristics circuit Bridge rectifier   Protective circuit Bridge rectifier   Insulation characteristics circuit Bridge rectifier   Insulation components Miniature relay, REL-MR-24DC/21HC   Compatible components Miniature relay, REL-MR-24DC/21HC   Connection method Screw connection   Stripping length 8 mm   Screw thread M3   Conductor cross section rigid 0.14 mm² 2.5 mm²   Conductor cross section flexible 0.14 mm² 2.5 mm²   Conductor cross section AWG 26 14   Tightening torque 0.6 Nm 0.8 Nm   Status display LED   Dimensions Width 14 mm	Product type	Relay socket
Operating mode100% operating factorCompatible componentsMiniature relay, REL-MR-24DC/21HCInsulation characteristicsPollution degreePollution degree3Electrical propertiesInsulation characteristicsProtective circuitBridge rectifierInsulation characteristicsProtective circuitBridge rectifierOutput dataCompatible componentsMiniature relay, REL-MR-24DC/21HCOutput dataCompatible componentsMiniature relay, REL-MR-24DC/21HCCompatible componentsConnection methodScrew connectionScrew connectionScrew connectionScrew connectionScrew connectionScrew connectionScrew connectionScrew connectionScrew connectionScrew connection <td>Product family</td> <td>PLC-INTERFACE</td>	Product family	PLC-INTERFACE
Compatible components     Miniature relay, REL-MR-24DC/21HC       Insulation characteristics     Pollution degree     3       Pollution degree     3       Protective circuit     Bridge rectifier       Insulation characteristics     Protective circuit     Bridge rectifier       Nominal input voltage U <sub>N</sub> 24 V AC/DC     Protective circuit     Bridge rectifier       Vortput data     Screew connection     Bridge rectifier     Screew connection       Compatible components     Miniature relay, REL-MR-24DC/21HC     Screew connection       Screew thread     Manau     Screew connection     Screew thread       Screew thread     Manau     Screew thread     Manau       Conductor cross section rigid     0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> 0.2 mm <sup>2</sup> 25 mm <sup>2</sup> (Single ferrule)       Zx 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (Single ferrule)     2x 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (Single ferrule)     2x 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (Single ferrule)       Zx 1.5 mm <sup>2</sup> (Single ferrule)     2.614     No0.8 Nm     Screew thread       Status display     LED     LED     Screew thread     14 mm	Application	High continuous currents
Insulation characteristics     3       Pollution degree     3       Electrical properties     Bridge rectifier       Protective circuit     Bridge rectifier       Insulation characteristics     24 V AC/DC       Protective circuit     Bridge rectifier       Nominal input voltage U <sub>N</sub> 24 V AC/DC       Protective circuit     Bridge rectifier       Output data     Miniature relay, REL-MR-24DC/21HC       Compatible components     Miniature relay, REL-MR-24DC/21HC       Connection nethod     Screw connection       Stripping length     8 mm       Screw thread     M3       Conductor cross section rigid     0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> Conductor cross section field     0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> (Single ferrule)       2x 0.5 mm <sup>2</sup>	Operating mode	100% operating factor
Pollution degree 3   Electrical properties Bridge rectifier   Protective circuit Bridge rectifier   Input data A V AC/DC   Protective circuit Bridge rectifier   Output data Bridge rectifier   Compatible components Miniature relay, REL-MR-24DC/21HC   Compatible components Miniature relay, REL-MR-24DC/21HC   Connection method Screw connection   Stripping length 8 mm   Screw thread M3   Conductor cross section rigid 0.14 mm <sup>2</sup> 25 mm <sup>2</sup> Conductor cross section flexible 0.2 mm <sup>2</sup> 25 mm <sup>2</sup> Conductor cross section AWG 2614   Tightening torque 0.6 Nm 0.8 Nm   Status display LED   Dimensions LED	Compatible components	Miniature relay, REL-MR-24DC/21HC
Electrical properties     Protective circuit   Bridge rectifier     Input data   24 V AC/DC     Protective circuit   Bridge rectifier     Nominal input voltage U <sub>N</sub> 24 V AC/DC     Protective circuit   Bridge rectifier     Output data   Compatible components     Compatible components   Miniature relay, REL-MR-24DC/21HC     Connection method   Screw connection     Stripping length   8 mm     Screw thread   M3     Conductor cross section rigid   0.14 mm²25 mm²     Conductor cross section flexible   0.14 mm²25 mm²     Conductor cross section AWG   26 14     Tightening torque   0.6 Nm 0.8 Nm     Status display   LED     Dimensions   Width   14 mm	Insulation characteristics	
Protective circuit Bridge rectifier   Input data 24 V AC/DC   Protective circuit Bridge rectifier   Output data Compatible components   Compatible components Miniature relay, REL-MR-24DC/21HC   Connection method Screw connection   Stripping length 8 mm   Screw thread M3   Conductor cross section rigid 0.14 mm² 2.5 mm²   Conductor cross section flexible 0.14 mm² 2.5 mm²   Conductor cross section flexible 0.14 mm² 2.5 mm²   Conductor cross section MWG 26 14   Tightening torque 0.6 Nm 0.8 Nm   Status display LED   Durensions Yidth	Pollution degree	3
Input data   24 V AC/DC     Protective circuit   Bridge rectifier     Output data   Compatible components     Compatible components   Miniature relay, REL-MR-24DC/21HC     Connection data   Screw connection     Stripping length   8 mm     Screw thread   M3     Conductor cross section rigid   0.14 mm² 2.5 mm²     Conductor cross section figid   0.14 mm² 2.5 mm²     Conductor cross section AWG   26 14     Tightening torque   0.6 Nm 0.8 Nm     Status display   LED     Dimensions   14 mm	Electrical properties	
Nominal input voltage U <sub>N</sub> 24 V AC/DC       Protective circuit     Bridge rectifier       Output data     Compatible components     Miniature relay, REL-MR-24DC/21HC       Connection data     Screw connection       Stripping length     8 mm       Screw thread     M3       Conductor cross section rigid     0.14 mm² 2.5 mm²       Conductor cross section fiexible     0.14 mm² 2.5 mm²       Conductor cross section AWG     26 14       Tightening torque     0.6 Nm 0.8 Nm       Status display     LED       Dimensions     Yidth	· ·	Bridge rectifier
Nominal input voltage U <sub>N</sub> 24 V AC/DC       Protective circuit     Bridge rectifier       Output data     Compatible components     Miniature relay, REL-MR-24DC/21HC       Connection data     Screw connection       Stripping length     8 mm       Screw thread     M3       Conductor cross section rigid     0.14 mm² 2.5 mm²       Conductor cross section fiexible     0.14 mm² 2.5 mm²       Conductor cross section AWG     26 14       Tightening torque     0.6 Nm 0.8 Nm       Status display     LED       Dimensions     Yidth	Input data	
Protective circuit     Bridge rectifier       Bridge rectifier       Compatible components       Compatible components       Compatible components       Miniature relay, REL-MR-24DC/21HC       Compatible components       Screw connection       Screw connection       Screw thread       Conductor cross section rigid       Conductor cross section flexible       Conductor cross section flexible       Conductor cross section flexible       Conductor cross section AWG       Status display       LED	•	24 V AC/DC
Output data   Miniature relay, REL-MR-24DC/21HC     Compatible components   Miniature relay, REL-MR-24DC/21HC     Connection data   Screw connection     Stripping length   8 mm     Screw thread   M3     Conductor cross section rigid   0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> Conductor cross section flexible   0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> Conductor cross section flexible   0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> (Single ferrule)     2x 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (TWIN ferrule)   2x 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (TWIN ferrule)     Conductor cross section AWG   2614     Tightening torque   0.6 Nm 0.8 Nm     Signaling   LED     Status display   LED     Width   14 mm		Bridge rectifier
Connection data   Screw connection     Stripping length   8 mm     Screw thread   M3     Conductor cross section rigid   0.14 mm² 2.5 mm²     Conductor cross section flexible   0.14 mm² 2.5 mm²     Conductor cross section flexible   0.14 mm² 2.5 mm²     Conductor cross section AWG   0.2 mm² 2.5 mm² (Single ferrule)     2x 0.5 mm² 1.5 mm² (TWIN ferrule)   2x 0.5 mm² 1.5 mm² (TWIN ferrule)     Conductor cross section AWG   26 14     Tightening torque   0.6 Nm 0.8 Nm     Status display   LED     Width   14 mm	Output data	
Connection method   Screw connection     Stripping length   8 mm     Screw thread   M3     Conductor cross section rigid   0.14 mm² 2.5 mm²     Conductor cross section flexible   0.14 mm² 2.5 mm²     Conductor cross section flexible   0.14 mm² 2.5 mm²     Conductor cross section flexible   0.14 mm² 2.5 mm²     Conductor cross section AWG   0.2 mm² 2.5 mm² (Single ferrule)     Zx 0.5 mm² 1.5 mm² (TWIN ferrule)   2x 0.5 mm² 1.5 mm²     Tightening torque   0.6 Nm 0.8 Nm     Status display   LED     Dimensions   Vidth     Width   14 mm	Compatible components	Miniature relay, REL-MR-24DC/21HC
Stripping length 8 mm   Screw thread M3   Conductor cross section rigid 0.14 mm² 2.5 mm²   Conductor cross section flexible 0.14 mm² 2.5 mm²   Conductor cross section flexible 0.14 mm² 2.5 mm²   Conductor cross section flexible 0.2 mm² 2.5 mm² (Single ferrule)   2x 0.5 mm² 1.5 mm² (TWIN ferrule) 2x 0.5 mm² 1.5 mm² (TWIN ferrule)   Conductor cross section AWG 26 14   Tightening torque 0.6 Nm 0.8 Nm	Connection data	
Screw threadM3Conductor cross section rigid0.14 mm² 2.5 mm²Conductor cross section flexible0.14 mm² 2.5 mm²Conductor cross section flexible0.2 mm² 2.5 mm² (Single ferrule)2x 0.5 mm² 1.5 mm² (TWIN ferrule)26 14Conductor cross section AWG26 14Tightening torque0.6 Nm 0.8 NmStatus displayLEDUmensionsWidth14 mm	Connection method	Screw connection
Conductor cross section rigid   0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> Conductor cross section flexible   0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup> 0.2 mm <sup>2</sup> 2.5 mm <sup>2</sup> (Single ferrule)   0.2 mm <sup>2</sup> 2.5 mm <sup>2</sup> (TWIN ferrule)     2x 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (TWIN ferrule)   2x 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (TWIN ferrule)     Conductor cross section AWG   26 14     Tightening torque   0.6 Nm 0.8 Nm	Stripping length	8 mm
Conductor cross section flexible   0.14 mm² 2.5 mm²     0.2 mm² 2.5 mm² (Single ferrule)     0.2 mm² 2.5 mm² (TWIN ferrule)     2x 0.5 mm² 1.5 mm² (TWIN ferrule)     Conductor cross section AWG     26 14     Tightening torque     0.6 Nm 0.8 Nm	Screw thread	M3
0.2 mm² 2.5 mm² (Single ferrule)     2x 0.5 mm² 1.5 mm² (TWIN ferrule)     2x 0.5 mm² 1.5 mm² (TWIN ferrule)     26 14     Tightening torque     0.6 Nm 0.8 Nm	Conductor cross section rigid	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Image: Conductor cross section AWG   2x 0.5 mm² 1.5 mm² (TWIN ferrule)     Conductor cross section AWG   26 14     Tightening torque   0.6 Nm 0.8 Nm	Conductor cross section flexible	0.14 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Conductor cross section AWG   26 14     Tightening torque   0.6 Nm 0.8 Nm     Status display   LED     Dimensions   14 mm		0.2 mm <sup>2</sup> 2.5 mm <sup>2</sup> (Single ferrule)
Tightening torque   0.6 Nm 0.8 Nm     Signaling   LED     Status display   LED     Width   14 mm		2x 0.5 mm <sup>2</sup> 1.5 mm <sup>2</sup> (TWIN ferrule)
Signaling Status display   Status display LED   Dimensions 14 mm	Conductor cross section AWG	26 14
Status display LED   Dimensions 14 mm	Tightening torque	0.6 Nm 0.8 Nm
Dimensions Width 14 mm	Signaling	
Width 14 mm	Status display	LED
	Dimensions	
	Width	14 mm
	Height	80 mm

## PLC-BSC- 24UC/21HC - Relay base

#### 2967785

https://www.phoenixcontact.com/us/products/2967785

Depth	94 mm
Material specifications	
Flammability rating according to UL 94	V0 (Housing)
Environmental and real-life conditions	
Ambient conditions	
Ambient temperature (operation)	-40 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Approvals Corrosive gas test	
Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60
Mounting	
Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

Phoenix Contact 2023 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com