

Ordering Data

Description	Type	Order No.	Pcs./Pck.
PLC INTERFACE With Screw Connection			
PLC INTERFACE with SPDT relay, high-current version, comprising PLC-BSC-... basic terminal block and plug-in miniature relay (see INTERFACE catalog), for assembly on  .	12 V DC	PLC-RSC- 12DC/21HC	2967617
	24 V DC	PLC-RSC- 24DC/21HC	2967620
	24 V AC/DC	PLC-RSC- 24UC/21HC	2967633
	48 V DC	PLC-RSC- 48DC/21HC	2967646
	60 V DC	PLC-RSC- 60DC/21HC	2967659
	120 V AC/110 V DC	PLC-RSC-120UC/21HC	2967662
	230 V AC/220 V DC ¹	PLC-RSC-230UC/21HC	2967675
PLC INTERFACE With Spring-Cage Connection			
PLC INTERFACE with SPDT relay, high-current version, comprising PLC-BSC-... basic terminal block and plug-in miniature relay (see INTERFACE catalog), for assembly on  .	12 V DC	PLC-RSP- 12DC/21HC	2912264
	24 V DC	PLC-RSP- 24DC/21HC	2912277
	24 V AC/DC	PLC-RSP- 24UC/21HC	2912280
	48 V DC	PLC-RSP- 48DC/21HC	2912293
	60 V DC	PLC-RSP- 60DC/21HC	2912303
	120 V AC/110 V DC	PLC-RSP-120UC/21HC	2912316
	230 V AC/220 V DC ¹	PLC-RSP-230UC/21HC	2912329

¹ The PLC-ATP BK insulating plate must be installed for voltages greater than 250 V (L1, L2, L3) between the same terminal points on adjacent modules (see "Accessories"). FBST 8-PLC... or FBST 500... is then used for potential bridging.

Accessories

Description	Type	Order No.	Pcs./Pck.
Insulating plate	PLC-ATP BK	2966841	25



The PLC-ATP BK insulating plate should be used in the following cases: always fit at the start and end of a PLC terminal strip for voltages greater than 250 V (L1, L2, L3) between the same terminal points on adjacent modules (FBST 8-PLC... or FBST 500... can be used for potential bridging) and for safe isolation between adjacent modules.

For additional accessories such as power terminal blocks and plug-in bridges, please refer to the INTERFACE catalog or www.phoenixcontact.com.

Technical Data

Input Data	...12DC...	...24DC...	...24UC...	...48DC...	...60DC...	...120UC...	...230UC...
Nominal input voltage U _N ¹	12 V DC	24 V DC	24 V AC/DC	48 V DC	60 V DC	120 V AC/ 110 V DC	230 V AC/ 220 V DC
Permissible range (with reference to U _N)	See "Operating Voltage Ranges" on page 4						
Typical input current at U _N	33 mA	18 mA	17.5 mA	20 mA	10 mA	4.5 mA/ 4.2 mA	4.5 mA/ 4.3 mA
Typical response time at U _N	8 ms					7 ms	
Typical release time at U _N	10 ms						
Input circuit							
DC	Yellow LED, protection against polarity reversal, free-wheeling diode						
AC/DC	Yellow LED, bridge rectifier						

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Output Data

Contact type	Single contact, SPDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC ¹
Minimum switching voltage	12 V AC/DC
Limiting continuous current	10 A (6 A) ²
Maximum inrush current	30 A (300 ms)
Minimum switching current	100 mA
Maximum shutdown power	Ohmic load $t = 0$ ms
	24 V DC 240 W (144 W) ²
	48 V DC 58 W
	60 V DC 48 W
	110 V DC 50 W
	220 V DC 80 W
	250 V AC 2500 VA (1500 VA) ²
Minimum switching power	1.2 W

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² The values in brackets are for connections 12. If connections 12 are bridged, the values in brackets apply.

General Data

Impulse voltage withstand level	6 kV
Ambient temperature range	
Operation	-25°C ... +60°C (230 V type -25°C ... +55°C)
Storage/transport	-25°C ... +70°C (230 V type -40°C ... +85°C)
Nominal operating mode	100% operating factor
Inflammability class according to UL 94 (housing)	V0
Mechanical service life	3 x 10 ⁷ cycles
Air and creepage distances between the circuits ¹	IEC 60664, IEC 60664 A, DIN VDE 0110, DIN EN 50178/VDE 0106-160, IEC 60255/DIN VDE 0435
Pollution degree	3
Surge voltage category	III
Mounting position	Any
Mounting	Can be aligned without spacing
Conductor cross-section	
Screw connection, solid and stranded	0.14 mm ² ... 2.5 mm ² (26 - 14 AWG)
Spring-cage connection, solid and stranded	0.2 mm ² ... 2.5 mm ² (26 - 14 AWG)
Stripping length	8 mm
Dimensions (W x H x D)	14 mm x 94 mm x 80 mm
Housing material	Polybutylene terephthalate PBT non-reinforced, green

¹ The PLC-ATP BK insulating plate must be installed for safe isolation between adjacent modules (see "Accessories"). FBST 8-PLC... or FBST 500... is then used for potential bridging.

Tests/Approvals

CE	CE
UL	
GL	

Block Diagram

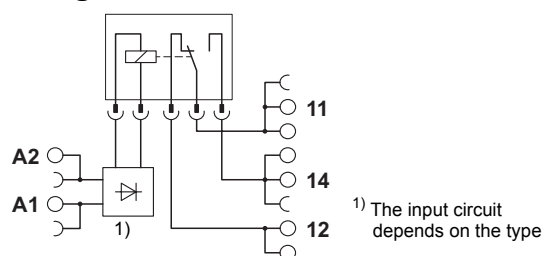


Figure 1 Block diagram

Operating Voltage Ranges

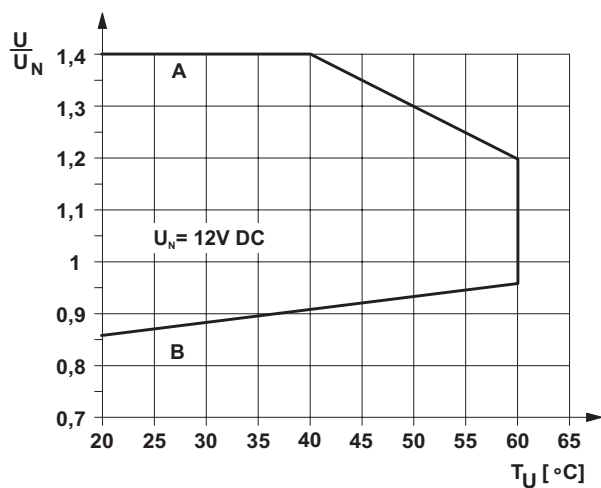


Figure 2 Operating voltage range for 12 V DC

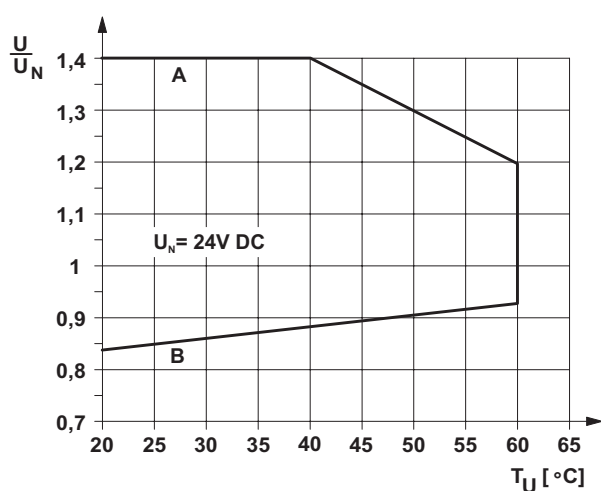


Figure 3 Operating voltage range for 24 V DC

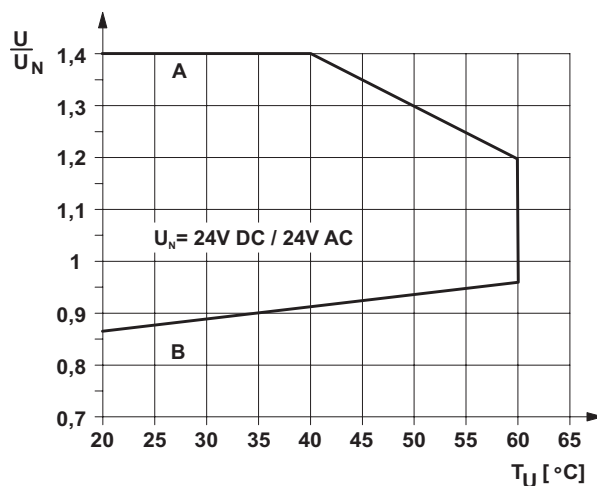


Figure 4 Operating voltage range for 24 V AC/DC

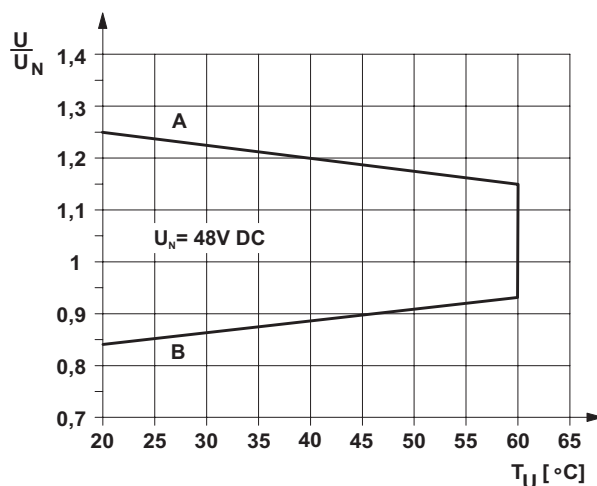


Figure 5 Operating voltage range for 48 V DC

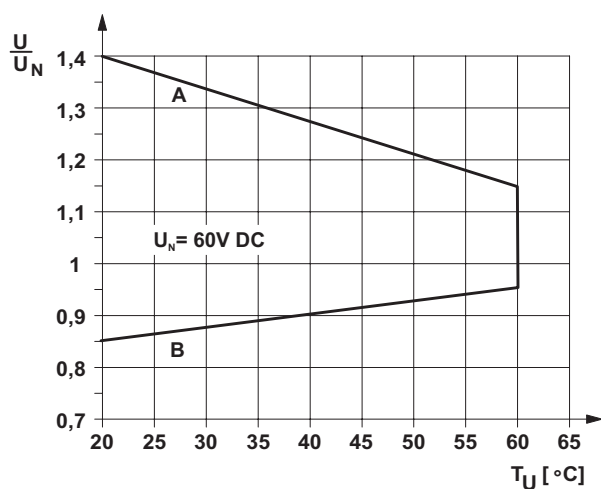


Figure 6 Operating voltage range for 60 V DC

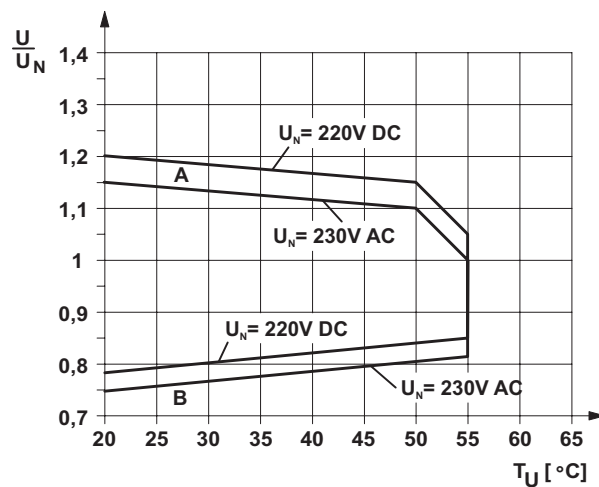


Figure 8 Operating voltage range for 230 V AC/DC

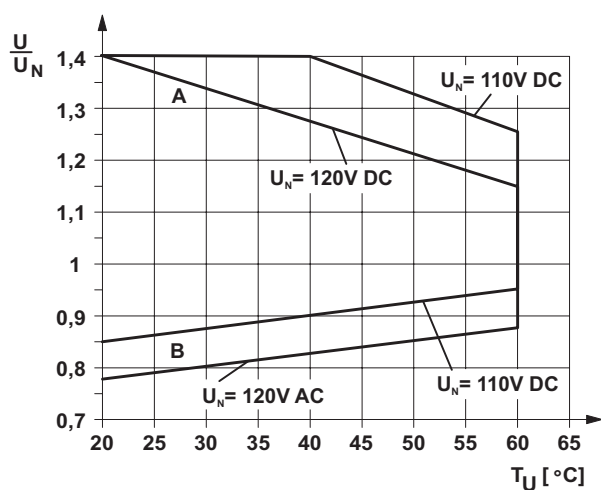


Figure 7 Operating voltage range for 120 V AC/DC

General Conditions

Direct alignment in the block, all devices 100% operating factor, horizontal or vertical mounting.

Curve A

Maximum permissible continuous voltage U_{max} with limiting continuous current on the contact side

Curve B

Minimum permissible operate voltage U_{op} following pre-excitation



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

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