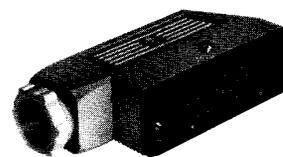
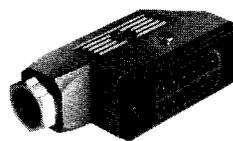
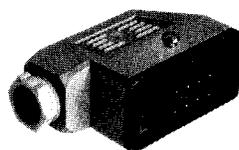


N series
6-pole + ⊕
10-pole + ⊕
16-pole + ⊕

Program survey

Cable connector	NS 6	NS 10	NS 16
Panel-mounted connector	NSE 6	NSE 10	NSE 16
Cable socket	NK 6	NK 10	NK 16
Panel-mounted socket	NKE 6	NKE 10	NKE 16
Accessories			
Strain relief with screw connection for cable connector			
- with claw cage	NVZ 6 K	NVZ 10 K	NVZ 16 K
- with strain relief bracket	NVZ 6 B	NVZ 10 B	NVZ 16 B
Safety bracket	NSI 6	NSI 10	NSI 16
Coding	NC 10	NC 10	NC 16

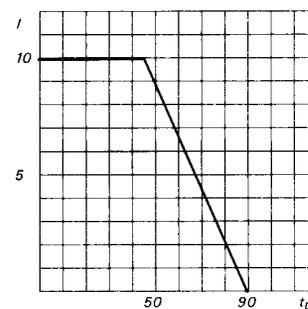
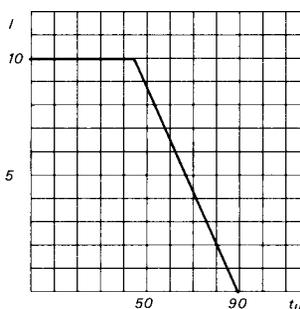
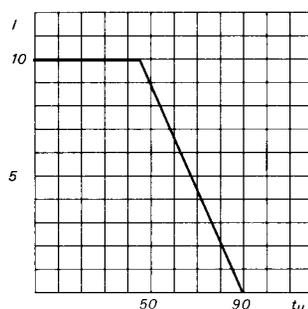

Technical data

Number of poles	6 + ⊕	10 + ⊕	16 + ⊕
Operating voltage	AC 380 V (~)/DC 250 V (-)	AC 380 V (~)/DC 250 V (-)	AC 380 V (~)/DC 250 V (-)
Reference voltage DIN VDE 0110	380 V ~/450 V -	380 V ~/450 V -	380 V ~/450 V -
Insulation group DIN VDE 0110	C	C	C
Continuous load current	10 A/250 V - 10 A/380 V~	10 A/250 V - 10 A/380 V~	10 A/250 V - 10 A/380 V~
Contact resistance	≤ 3 mΩ	≤ 3 mΩ	≤ 3 mΩ
Contacts	Pin and spring socket	Pin and spring socket	Pin and spring socket
Pin diameter	2 mm	2 mm	2 mm
Contact material / Surface	Cu Zn Gal Ni 2 Sn 4	Cu Zn Gal Ni 2 Sn 4	Cu Zn Gal Ni 2 Sn 4
Type of connection	screw	screw	screw
Cross-section	max. 1,5 mm ²	max. 1,5 mm ²	max. 1,5 mm ²
Cable gland	PG 13,5	PG 16	PG 21
Outer lead diameter	10,0 - 13,5 mm	10,0 - 15,0 mm	14,0 - 18,5 mm
Materials/ flammability, UL standard	Contact bearer Casing Gasket	PA 66 GF 25 94 V-1 PA 6 GF 30 94 HB NBR	PA 66 GF 25 94 V-1 PA 6 GF 30 94 HB NBR
Protection class DIN 40 050	IP 54	IP 54	IP 54
Ambient temperature range t _u	-30 ... 90 °C	-30 ... 90 °C	-30 ... 90 °C

Derating curve

(Current carrying capacity)

I = continuous load current for a pair of contacts in A
 t_u = ambient temperature in °C



6-pole + ⊕

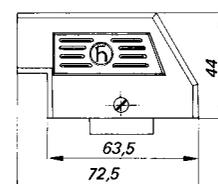
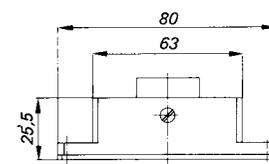
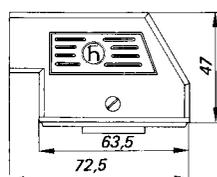
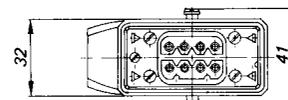
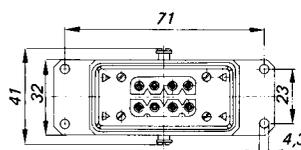
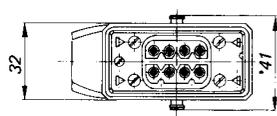
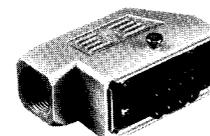
NS 6

NKE 6

NK 6



VDE expertise
with process
inspection

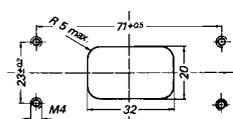


Technical data

Design/ Description	Line connector without cable gland and strain relief	Panel-mounted socket	Cable socket without cable gland and strain relief
Number of poles	6 + ⊕	6 + ⊕	6 + ⊕
Type of connection	screw	screw	screw
Scope of supply	1 casing with 2 lateral screws, 1 pin insert, loose, not assembled	1 panel-mounted casing, 1 socket insert, loose, 1 gasket, not assembled	1 housing with 2 lateral screws, 1 pin insert, loose, not assembled
Colour of casing	grey	grey	grey
Can be plugged into	NK 6, NKE 6	NS 6	NS 6, NSE 6

Additional strain relief is
required for correct assembly!
Two types are available.

Sectional view:



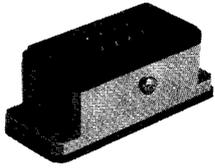
Additional strain relief is
required for correct assembly!
Two types are available.

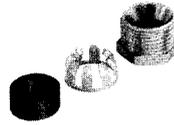
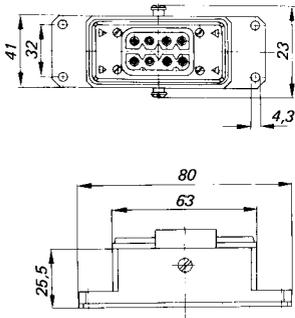
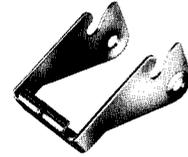
Order data

Type	NS 6	NKE 6	NK 6
Order no.	932 293-106	932 296-106	932 290-106
Quantity boxed	10 each	10 each	10 each

Accessories – must be ordered separately

	Page	Type	Order no.	Type	Order no.	Type	Order no.
Safety brackets	35	NSI 6-1	731 307-000	NSI 6-1	731 307-000	NSI 6-1	731 307-000
Coding	40	NC 10	930 626-000	NC 10	930 626-000	NC 10	930 626-000
Cable gland	35	NVZ 6 B	831 491-001			NVZ 6 B	831 491-001
Cable gland	35	NVZ 6 K	831 494-001			NVZ 6 K	831 494-001

NSE 6

NVZ 6 B

NVZ 6 K

NSI 6-1


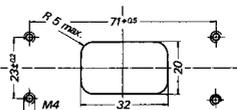
The cable gland is required for correct assembly of the cable connectors and sockets. The specified values for the protection class IP as per DIN 40 050 and for strain relief as per DIN VDE 0627 can only be maintained if the connectors and sockets are completely assembled.

The cable gland is required for correct assembly of the cable connectors and sockets. The specified values for the protection class IP as per DIN 40 050 and for strain relief as per DIN VDE 0627 can only be maintained if the connectors and sockets are completely assembled.

Technical data

Panel-mounted connector	Cable gland Pg 13.5 with strain relief bracket for lead diameter 10 - 13 mm	Cable gland Pg 13.5 with claw cage for lead diameter 10 - 12 mm	Safety bracket
6 + ⊕			
screw			
1 panel-mounted casing, 1 pin insert, loose, 1 gasket, not assembled	Pressure screw Pg 13.5; 2 pressure rings, gasket, strain relief bracket with clamping screw in polythene bag	Pressure screw Pg 13.5; claw cage, gasket in polythene bag	1 safety bracket
grey	grey	grey	
NK 6	NS 6, NK 6	NS 6, NK 6	NS 6, NSE 6, NK 6, NKE 6

Sectional view:


Order data

NSE 6	NVZ 6 B	NVZ 6 K	NSI 6-1
932 299-106	831 491-001	831 494-001	731 307-000
10 each	10 each	10 each	10 each

Accessories – must be ordered separately

Type	Order no.
NSI 6-1	731 307-000
NC 10	930 626-000