Potentiometer e.t.c.
with attach to our switching device

☐ = resistance value linear and part number ≙
1 = 0.5 kOhm, with centre tap 2 x 0.5 kOhm
2 = 1.0 kOhm, with centre tap 2 x 1.0 kOhm
3 = 2.0 kOhm, with centre tap 2 x 2.0 kOhm
4 = 5.0 kOhm, with centre tap 2 x 5.0 kOhm
5 = 10.0 kOhm, with centre tap 2 x 10.0 kOhm

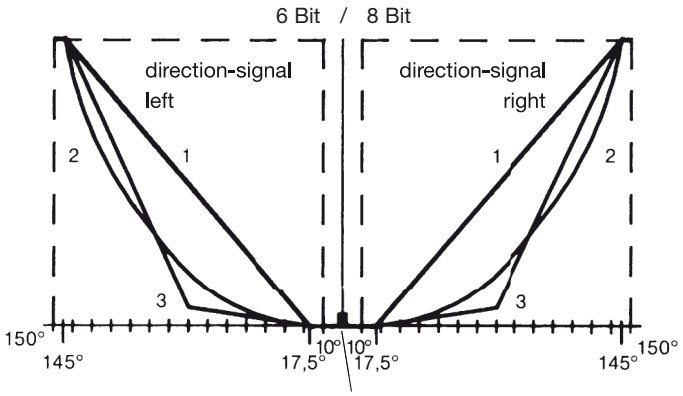
Pos.	for mounting on: V 6 / D 64 / V 11 / S 2 / S 6 / N 6	Part No. 5240…	Type-expansion	Weight gramm	Type	Price EURO
1	Wire-wound potentiometer linear life 10^7 switching cycles 1,5 Watt max. wiper current 10 mA	...00100 ☐	T 129	60	P01 ☐	
2	Wire-wound potentiometer linear with centre tap life 10^7 switching cycles 1,5 Watt max. wiper current 10 mA	...00200 ☐	T 130	60	P02 ☐	
3	Wire-wound potentiometer linear life 10^7 switching cycles 2,5 Watt max. wiper current 10 mA	...00300 ☐	T 131	70	P03 ☐	
4	like T 131 but with oil-filling protection for corrossion	...00400 ☐	T 131-Oel	80	P04 ☐	
5	Wire-wound potentiometer linear with centre tap life 10^7 switching cycles 2,5 Watt max. wiper current 10 mA	...00500 ☐	T 132	70	P05 ☐	
6	like T 132 but with oil-filling protection for corrossion	...00600 ☐	T 132-Oel	80	P06 ☐	
7	Wire-wound potentiometer characteristic progressive with centre tap life 10^7 switching cycles 1,5 Watt max. wiper current 10 mA	...00700 ☐	T 178	70	P07 ☐	
8						
9						
10	Wire-wound potentiometer linear with centre tap life 10^6 switching cycles 60 Watt	...01000 ☐	T 133	150	P10 ☐	
11	Wire-wound potentiometer linear life 10^6 switching cycles 60 Watt	...01100 ☐	T 134	150	P11 ☐	
12	Conductive-plastic potentiometer linear life 10^7 switching cycles 0,5 Watt max. wiper current 1 mA	...01200 ☐	T 374	20	P12 ☐	
13	Conductive-plastic potentiometer linear with centre tap life 10^7 switching cycles 0,5 Watt max. wiper current 1 mA	...01300 ☐	T 396	20	P13 ☐	
14						
15						
16						
	for mounting on: V 8 / D 8 / P 10 / P 12					
17	Wire-wound potentiometer linear with centre tap life 5 x 10^6 switching cycles 1 Watt max. wiper current 10 mA	...01700 ☐	T 239	20	P17 ☐	
18	Conductive-plastic potentiometer linear with centre tap life 10^7 switching cycles 0,5 Watt max. wiper current 1 mA	...01800 ☐	T 301	20	P18 ☐	
19	Conductive-plastic potentiometer linear with centre tap life 10^7 switching cycles; 3 conductive-plastic contact way arrangement MSP 21-0 (catalog 5/001) 0,5 Watt max.wiper current 1 mA	...01900 ☐	T 426	25	P19 ☐	
20	Conductive-plastic potentiometer double linear with centre tap life 10^7 switching cycles; 0,5 Watt max. wiper current 1 mA	...02000 ☐	T 432	25	P20 ☐	
21	Conductive-plastic potentiometer with centre tap life 10^7 switching cycles	...02100 ☐	T 246	20	P21 ☐	
22	Conductive-plastic potentiometer with centre tap life 10^7 switching cycles	...02200 ☐	T 362	20	P22 ☐	
23						
	for mounting on: V 10 / S 1					
24	Wire-wound potentiometer linear with centre tap life 5 x 10^6 switching cycles 1 Watt max. wiper current 10 mA	...02400 ☐	T 321	20	P24 ☐	
25	Conductive-plastic potentiometer linear with centre tap life 10^7 switching cycles 0,5 Watt max. wiper current 1 mA	...02500 ☐	T 320	20	P25 ☐	
26	Conductive-plastic potentiometer linear life 10^7 switching cycles 0,5 Watt max. wiper current 1 mA	...02600 ☐	T 337	20	P26 ☐	
27	Conductive-plastic potentiometer linear with centre tap life 10^7 switching cycles; 2 conductive-plastic contact way arrangement MSP 21 (catalog 5/001) 0,5 Watt max. wiper current 1 mA	...02700 ☐	T 430	25	P27 ☐	
28	Conductive-plastic potentiometer linear with centre tap life 10^7 switching cycles 0,5 Watt max. wiper current 1 mA	...02800 ☐	T 375	20	P37 ☐	
29						
30						
	for mounting on: V 11					
31	Wire-wound potentiometer linear with centre tap life 5 x 10^6 switching cycles 1 Watt max. wiper current 10 mA	...03100 ☐	T 316	20	P31 ☐	
32	Conductive-plastic potentiometer linear with centre tap life 10^7 switching cycles 0,5 Watt max. wiper current 1 mA	...03200 ☐	T 365	20	P32 ☐	
40	Special potentiometer				P99 ☐	
41	Prepared for mounting potentiometer adjusting-angle switching device ≙ potentiometer	...04100				
42	Prepared for mounting potentiometer adjusting-angle variable	...04200				

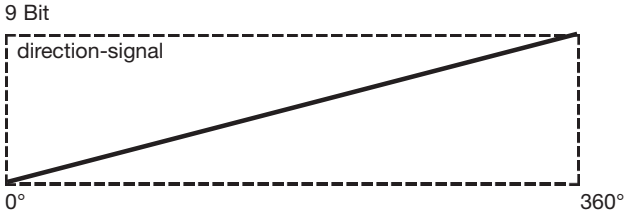
Opto-electronic encoder
Output digital OEC 2
with attach to our switching device

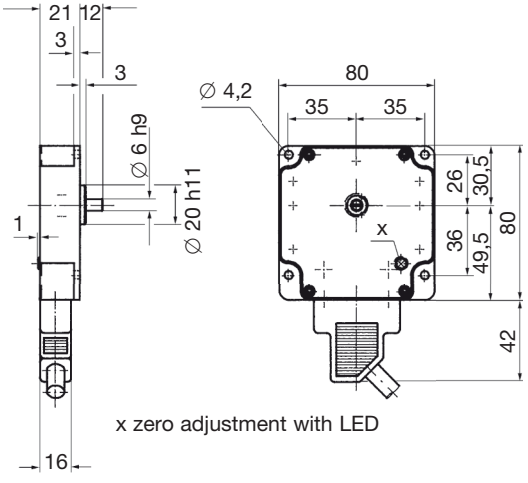
Pos.	for mounting on: V 6 / D 64 / V 11 / S 2 / S 6 / N 6			Type-expansion	Weight gramm	Type	Price EURO
10	Opto-electronic encoder	8 Bit Gray-Code T 359		OEC 2-1-1	410	C01	
11		8 Bit Binary-Code T 359		OEC 2-2-1	410	C02	
12		6 Bit Gray-Code T 359		OEC 2-3-□	410	C03□	
13		6 Bit Binary-Code T 359		OEC 2-4-□	410	C04□	
14		9 Bit Gray-Code T 384		OEC 2-5-□	410	C05□	
15		9 Bit Binary-Code T 384		OEC 2-6-□	410	C06□	
16							
17							
18							
19							

□ = Output characteristic
1 = Linear
2 = Quadratic
3 = Progressive
4 = Linear one sided right turn
5 = Linear one sided left turn

Technical data
Power supply 18-30 V DC
Output PNP 24 V DC 10 mA
Scanning Gray-Code
Rotation angle max. ± 150° (360°)







x zero adjustment with LED

6 Bit-type T359

PIN-connection		colour-code
1	not connected	–
2	D4	brown
3	D3	green
4	D2	yellow
5	D1	grey
6	not connected	–
7	not connected	–
8	housing 0 V	black
9	input 18-30 V DC	red
10	not connected	–
11	not connected	–
12	directional-signal left	violett
13	directional-signal right	grey-pink
14	D6	red-blue
15	D5	white-green
–	cable screen	brown-green

8 Bit-type T359

PIN-connection		colour-code
1	not connected	–
2	D6	brown
3	D5	green
4	D4	yellow
5	D3	grey
6	D2	pink
7	D1	blue
8	housing 0 V	black
9	input 18-30 V DC	red
10	not connected	–
11	not connected	–
12	directional-signal left	violett
13	directional-signal right	grey-pink
14	D8	red-blue
15	D7	white-green
–	cable screen	brown-green

9 Bit-type T384

PIN-connection		colour-code
1	not connected	–
2	D6	brown
3	D5	green
4	D4	yellow
5	D3	grey
6	D2	pink
7	D1	blue
8	housing 0 V	black
9	input 18-30 V DC	red
10	not connected	–
11	not connected	–
12	directional-signal left	violett
13	D9	grey-pink
14	D8	red-blue
15	D7	white-green
–	cable screen	brown-green

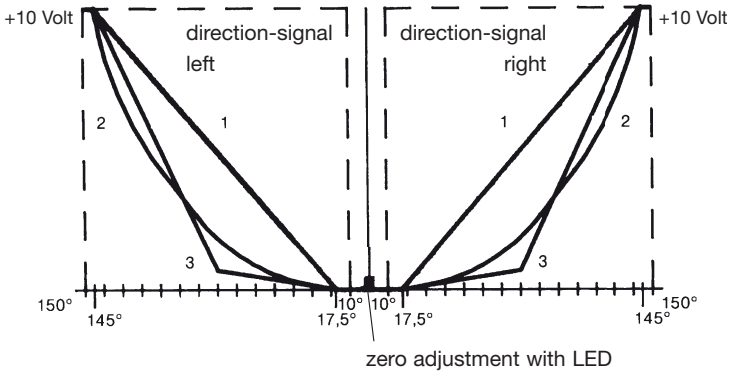
40	Cable Llycy 14 x 0,25 mm² 2000 mm long wired on connector DA 15 with end splice						
41	Prepared for mounting encoder adjusting-angle switching-gear ≙ encoder					(C)	
42	Prepared for mounting encoder adjusting-angle variable.					(C)	
43	Additional price per metre cable Llycy 14 x 0,25 mm²						

Opto-electronic encoder
Output analog OEC 2
with attach to our switching device

Pos.	for mounting on: V 6 / D 64 / V 11 / S 2 / S 6 / N 6		Type-expansion	Weight gramm	Type	Price EURO
1	Opto-electronic encoder T 366 Output voltage impressed 0 – 10 Volt		OEC 2-3-□-1		C11□	
2						
3						
4						

□ = Output characteristic
1 = Linear
2 = Quadratic
3 = Progressive

Technical data
Power supply 18-30 V DC
Output 0–10 V (+5 mA)
Scanning 6 bit Gray-Code
Rotation angle max. ± 150°



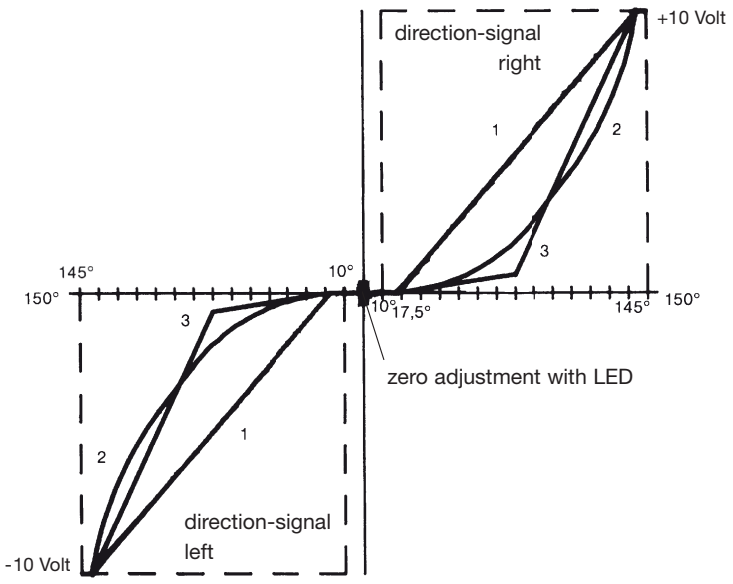
6 Bit-type T366

PIN-connection		colour-code
1	not connected	–
2	not connected	–
3	not connected	–
4	not connected	–
5	not connected	–
6	not connected	–
7	not connected	–
8	housing 0 V	blue
9	input 18-30 V DC	brown
10	not connected	–
11	output current	green
12	directional-signal left	yellow
13	directional-signal right	grey
14	not connected	–
15	not connected	–
–	cable screen	white

Pos.			Type-expansion	Weight gramm	Type	Price EURO
5	Opto-electronic encoder T 367 Output voltage impressed ± 10 Volt		OEC 2-3-□-2		C15□	
6						
7						
8						

□ = Output characteristic
1 = Linear
2 = Quadratic
3 = Progressive

Technical data
Power supply 18-30 V DC
Output ±10 V (±5 mA)
Scanning 6 bit Gray-Code
Rotation angle max. ± 150°



6 Bit-type T367

PIN-connection		colour-code
1	not connected	–
2	not connected	–
3	not connected	–
4	not connected	–
5	not connected	–
6	not connected	–
7	not connected	–
8	housing 0 V	blue
9	input 18-30 V DC	brown
10	not connected	–
11	output current	green
12	directional-signal left	yellow
13	directional-signal right	grey
14	not connected	–
15	not connected	–
–	cable screen	white

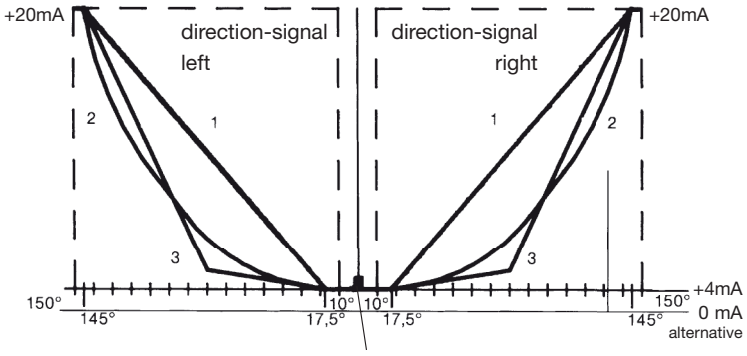
Pos.			Type-expansion	Weight gramm	Type	Price EURO
40	Cable Llycy 7 x 0,34 mm² 2000 mm long wired on connector DA 15 with end splice					
41	Prepared for mounting encoder adjusting-angle switching-gear ≙ encoder				(C)	
42	Prepared for mounting encoder adjusting-angle variable				(C)	
43	Additional price per metre cable Llycy 14 x 0,25 mm²					

Opto-electronic encoder
Output analog OEC 2
with attach to our switching device

Pos.	for mounting on: V 6 / D 64 / V 11 / S 2 / S 6 / N 6		Type-expansion	Weight gramm	Type	Price EURO
1	Opto-electronic encoder Output power impressed 4 – 20 mA T 368		OEC 2-3-□-5	410	C19□	
2	Opto-electronic encoder Output power impressed 0 – 20 mA T 368		OEC 2-3-□-8	410	C20□	
3						
4						

□ = Output characteristic
1 = Linear
2 = Quadratic
3 = Progressive

Technical data
Power supply 18-30 V DC
Output 4/0 –20 mA
Scanning 6 bit Gray-Code
Rotation angle max. ± 150°



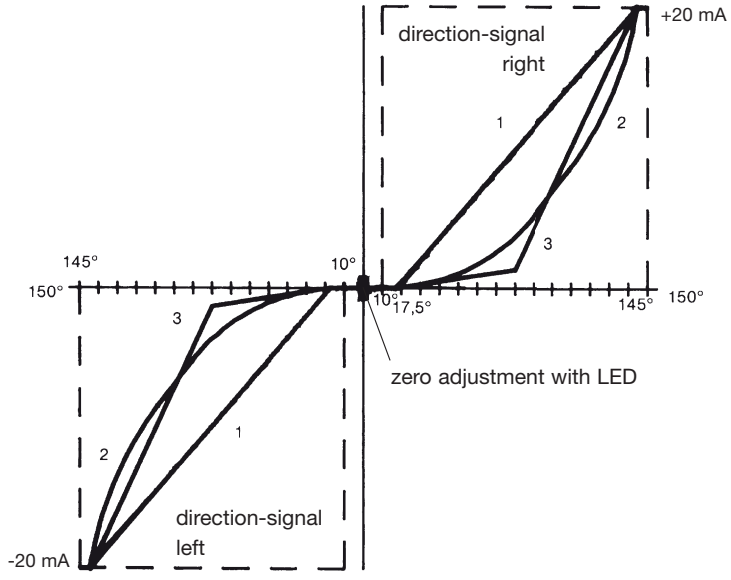
6 Bit-type T368

PIN-connection		colour-code
1	not connected	–
2	not connected	–
3	not connected	–
4	not connected	–
5	not connected	–
6	not connected	–
7	not connected	–
8	housing 0 V	blue
9	input 18-30 V DC	brown
10	not connected	–
11	output current	green
12	directional-signal left	yellow
13	directional-signal right	grey
14	not connected	–
15	not connected	–
–	cable screen	white

5	Opto-electronic encoder T 369 Output power impressed ± 20 mA		OEC 2-3-□-6	410	C23□	
6						
7						
8						

□ = Output characteristic
1 = Linear
2 = Quadratic
3 = Progressive

Technical data
Power supply 18-30 V DC
Output ±20 mA
Scanning 6 bit Gray-Code
Rotation angle max. ± 150°



6 Bit-type T369

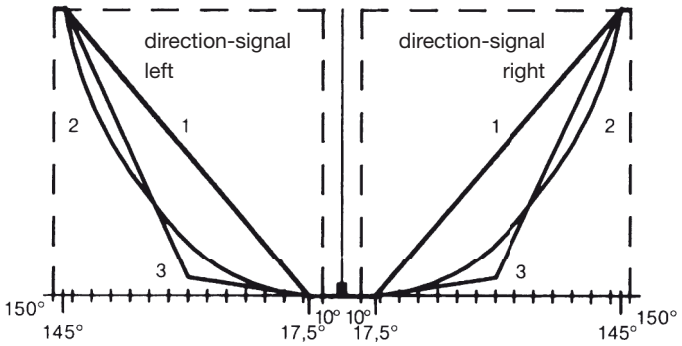
PIN-connection		colour-code
1	not connected	–
2	not connected	–
3	not connected	–
4	not connected	–
5	not connected	–
6	not connected	–
7	not connected	–
8	housing 0 V	blue
9	input 18-30 V DC	brown
10	not connected	–
11	output current	green
12	directional-signal left	yellow
13	directional-signal right	grey
14	not connected	–
15	not connected	–
–	cable screen	white

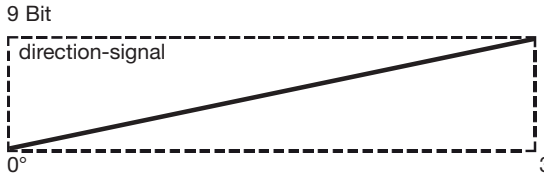
40	Cable Llycy 7 x 0,34 mm² 2000 mm long wired on connector DA 15 with end splice					
41	Prepared for mounting encoder adjusting-angle switching-gear ≙ encoder				(C)	
42	Prepared for mounting encoder adjusting-angle variable.				(C)	
43	Additional price per metre cable Llycy 14 x 0,25 mm²					

Opto-electronic encoder
Output digital OEC 4 with Profi-Bus System DP
with attach to our switching device

Pos.	for mounting on: V 6 / D 64 / V 11 / S 2 / S 6 / N 6			Type-expansion	Weight gramm	Type	Price EURO
1	Opto-electronic encoder	8 Bit Gray-Code T 496		OEC 4-1-1-2	820	C27	
2		8 Bit Binary-Code T 496		OEC 4-2-1-2	820	C28	
3		6 Bit Gray-Code T 496		OEC 4-3-□-2	820	C29□	
4		6 Bit Binary-Code T 496		OEC 4-4-□-2	820	C30□	
5		9 Bit Gray-Code T 497		OEC 4-5-□-2	820	C31□	
6		9 Bit Binary-Code T 497		OEC 4-6-□-2	820	C32□	

□ = Output characteristic
1 = Linear
2 = Quadratic
3 = Progressive
4 = Linear one sided right turn
5 = Linear one sided left turn





Technical data

Power supply 18-30 V DC, Output 6, 8 or 9 Bit, Scanning Gray-Code

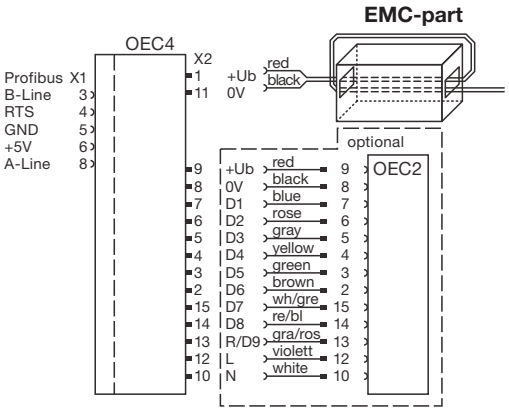
Communication Profibus DP (DIN 19245 Part 3) PNO certificate no. Z01366

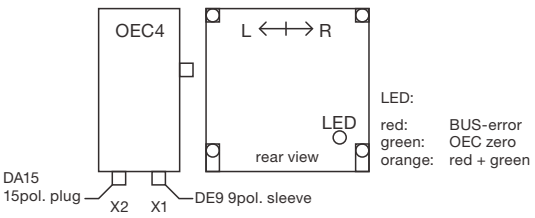
Ident.-No. 045 CH address 0-99 adjustable above selector-switch

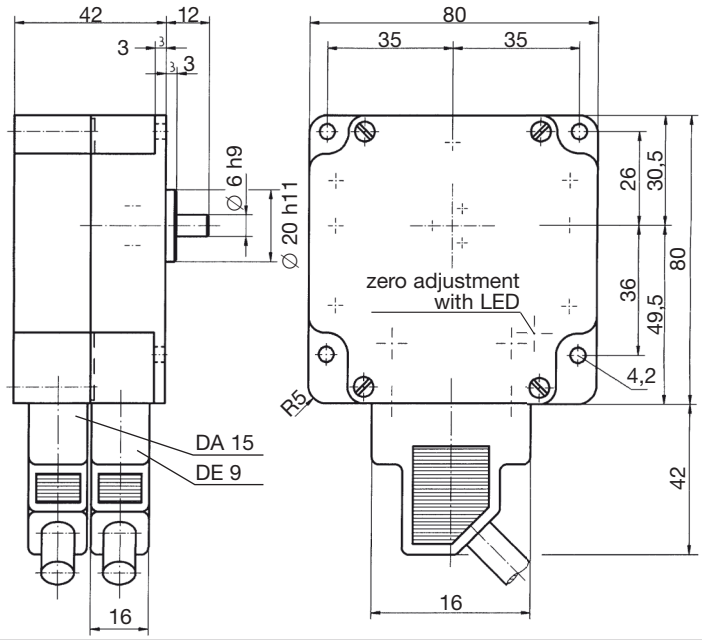
Rotation angle max. ± 150° (360°), with connection for OEC 2 see catalog 1/241

for 1 axis-controller 1 Pc.OEC4… is required

for 2 axis-controller 1 Pc.OEC4… and 1PC.OEC2… see catalog 1/241 are required



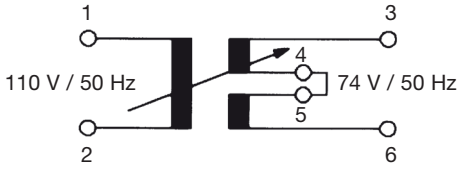




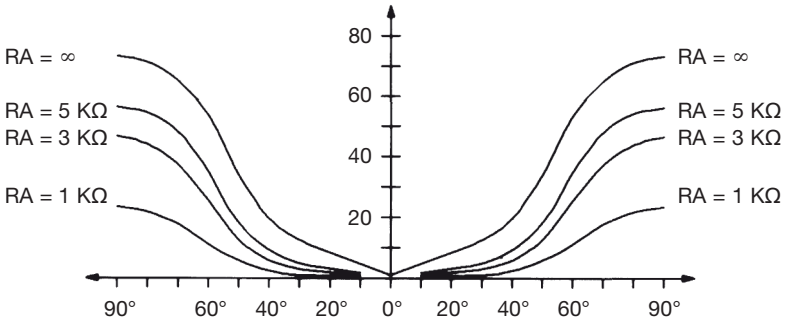
38	Profibus-connector DE9 without wiring						
39	Cable (power supply) for 1 axis-controller Llycy 2 x 0,25mm² 2000mm long wired on connector DA15 with end splice						
40	Cable for 2 axis-controller Llycy 16 x 0,25mm² x 150mm lang wired on 2 connectors DA15 for OEC4/OEC2 with cable (power supply) 2 x 0,25mm² 2000mm long wired with end splice						
41	Prepared for mounting encoder adjusting-angle switching-gear ≙ encoder					(C)	
42	Prepared for mounting encoder adjusting-angle variable					(C)	
43	Additional price per metre cable Llycy 14 x 0,25 mm²						
44	Additional price per metre Profibus-cable FDPL2/F/P 1 x 2 x 0,64mm² wired (please specify reqired cable length!)						

Inductive transducer with attach to our switching device

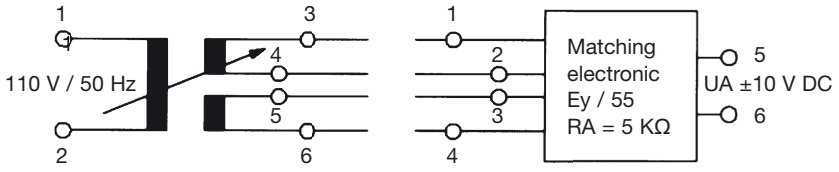
Pos.	for mounting on: V 6 / V 11 / D 64 / S 2 / S 6 / N 6		Type-expansion	Weight gramm	Type	Price EURO
2	Inductive transducer IG 1 T 440			850	I	

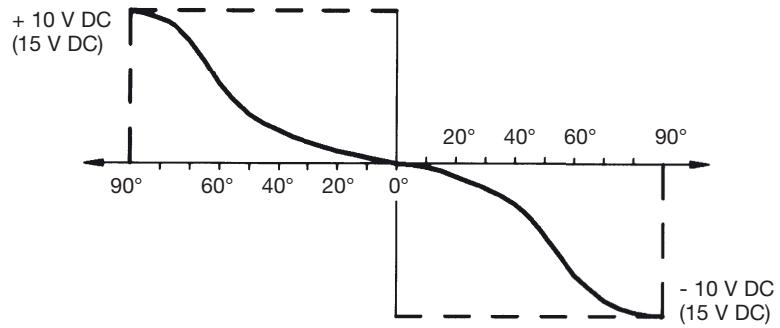


Technical data
Mechanical life $2x10^7$ switching cycles
Input voltage AC 110 V, 50 Hz
Output voltage AC 74 V, 50 Hz
Transfer power max. 3 VA
Rotation angle, max. ± 90°



3	Inductive transducer IG 1 with matching electronic Ey / 55 ± 10 V DC T 434				I	





20	Transformer with capacitor 4 mF for connection 220 V 50 Hz		MTD			
41	Prepared for mounting transducer adjusting-angle switching-gear ≙ transducer				(I)	
42	Prepared for mounting transducer adjusting-angle variable.				(I)	