

## **EXACT8, 8XM8, 4 POLE MOULDED CABLE**

5.0m PUR 16x0,34+2x0,75, UL/CSA

8-way, 4-pole 5.0 m

Further cable lengths on request.

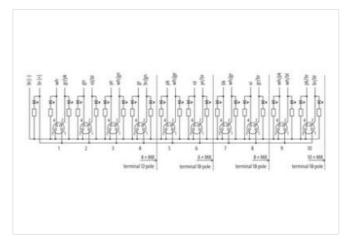
Plastic housings with good resistance against chemicals and oils.

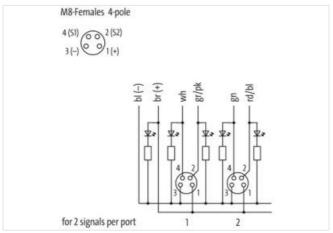
The resistance to aggressive media should be individually tested for your application. Further details on request.

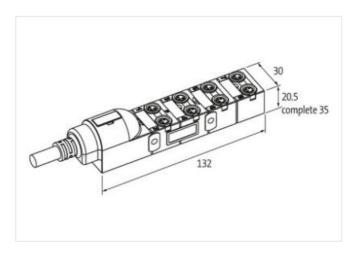
## **Link to Product**

## Illustration









Product may differ from Image







Commercial data		
ECLASS-6.0	27143423	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-02



stay connected

ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879054430
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Current operating per contact max.	2 A
Total current max.	8 A
Industrial communication	
Number of signals per port	2
	2
Installation   Connection	
Mounting set	M8 x 1
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Device protection   Media	
Flame resistance	flame retardant
Mechanical data   Material data	
Material housing	Plastic
Mechanical data   Mounting data	
	Cohrauhaawinda
Mounting method	Schraubgewinde
Environmental characteristics   Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
Installation   Cable	
Cable identification	396
Jacket Color	gray
Type of Certificate	cURus, CSA
Amount stranding	1
Stranding	6 wires around Core filler twisted
Amount stranding (type 2)	1
Stranding (type 2)	12 wires around Stranding combination twisted Fleece
Banding Filler	yes
wire arrangement	gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown-yellow, yellow-white, red, pink, gray, yellow, green, white)
Cable weigth	143 g/m
Material jacket	PUR
Shore hardness jacket	89 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	10,4 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	TPE-E
Amount wires	16
Outer diameter insulation	1,5 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free



## stay connected

Damoter or simple wires	Amount strands (wire)	42
Material conductor wire   Stranded copper wire, bare	· · ·	0,1 mm
Material conductor wire   Stranded copper wire, bare	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track)   5 m @ 25 °C   horizontal	Material conductor wire	Stranded copper wire, bare
Traversing distance (C-track)   5 m @ 25 °C   horizontal	Conductor type (wire)	strand class 6
Material wire insulation (Data)   TPE-E		5 m @ 25 °C   horizontal
Tolerance outer diameter wire insulation (data)		TPE-E
Tolerance outer diameter wire insulation (Oata)	Outer diameter wire insulation (Data)	1,8 mm
Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free Amount wires (Data) 2 Diameter of single wires (Data) 42 Diameter of single wires (Data) 0,75 mm² Material conductor vier (Data) Stranded copper wire, barre Wires conductor type (Data) Stranded copper wire, barre Unrent load capacity fires, wire 4 A Current load capacity fires, wire 5 C Current load capacity fires, wire 5 C Current load capacity fires, wire 5 C Current load capacity		±5%
Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free Amount wires (Data) 2 Diameter of single wires (Data) 42 Diameter of single wires (Data) 0,75 mm² Material conductor view (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - conductor) 4 A A Current load capacity first wire 4 A Current load capacity wire. (Wire (Data) 12 A Current load capacity wire. (Wire (Data) 2 C Current load capacity wire. (Wire		
Amount wires (Data) 2 Amount strands wire (Data) 42 Diameter of single wires (Data) 0,15 mm Conductor crosssection wire (Data) 0,75 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Strand class 6  Max. rated voltage (conductor - ground) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4  Current load capacity strain. Wire (Data) 12 A Current load capacity strain. Wire (Data) 12 A Current load capacity strain. Wire (Data) 12 A Current load capacity min. Wire		
Diameter of single wires (Data)   42   0.15 mm   0.15		
Diameter of single wires (Data)   0,15 mm   0,75 mm		
Conductor crosssection wire (Data)   0,75 mm²   Stranded copper wire, bare	. , ,	
Material conductor wire (Data)         Stranded copper wire, bare           Wire conductor type (Data)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         4 A           Current load capacity min. Wire (Data)         12 A           Electrical resistance line constant wire         57 Ωkm @ 20 °C           Electrical resistance line constant wire         28 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - isoket)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (fixed)         7.5 × Outer diameter           Bending radius (fixed)         7.5 × Outer diameter <t< td=""><td></td><td>·</td></t<>		·
Wire conductor type (Data)         strand class 6           Max. rated voltage (conductor - conductor)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         12 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance outing wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature (static)         -6 °C           Condition resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gasoline res		,
Max. rated voltage (conductor - ground)         300 V           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         4 A           Current load capacity min. Wire (Data)         12 A           Electrical resistance ocating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (ixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         Good, application-related testing           chemical resistance         Good, application-related testing           Oli resistance         Good, application-related testing           Bending radius (installation)         x Outer diameter           Bending radius (insted)         7,5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           Concettion type 2		
Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. Wire (Data)         12 A           Electrical resistance loc constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - gacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (ifixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature mix. (dynamic)         80 °C           Operating temperature mix. (dynamic)         -5 °C           Operating resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         x Outer diameter           Bending radius (installation)         x Outer diameter           Bending radius (dynamic)         10 x Outer diameter	• • • •	
Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min, wire         4 A           Current load capacity min, Wire (Data)         12 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance coating wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Min. operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         80 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100   TP   IEC 60332-2-2           Chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Bending radius (installation)         x Outer diameter           Bending radius (fixed)         7,5 x Outer diameter		
Current load capacity min. Wire (Data)         12 A           Current load capacity min. Wire (Data)         12 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Electrical resistance outing wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         80 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (installation)         × Outer diameter           Bending radius (installation)         × Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           Connection type 2           Family construction form         free cable end           No. of poles		
Current load capacity min. Wire (Data)         12 A Ωkm @ 20 °C           Electrical resistance localing wire (Data)         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - gacket)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         7,5 x Outer diameter           Bending radius (fixed)         7,5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           Connection type 2           Family construction form         free cable end           No. of poles         10           Family construction form         female           Color contact carrier         black		
Electrical resistance line constant wire 57 Ω/km @ 20 °C Electrical resistance coating wire (Data) 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 k/ @ 60 s  Power frequency withstand voltage (wire - jacket) 2 k/ @ 60 s  Min. operating temperature (static) -40 °C Max. operating temperature (static) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (fynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end No. of poles 10  Family construction form M8 Gender female Color contact carrier black Coding A No. of poles 4  PIN 1 +  PIN 2 S 2  PIN 3 -		
Electrical resistance coating wire (Data) 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - izek		
AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Au °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Ood, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  10  Family construction form  M8  Gender  female  Color contact carrier  black  Coding  A  No. of poles  4  PIN 1  +  PIN 2  S 2  PIN 3		
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Min. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Ood, application-related testing  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (installation)  x Outer diameter  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  Connection type 2  Family construction form  free cable end  No. of poles  10  Family construction form  M8  Gender  female  Color contact carrier  black  Coding  A  No. of poles  4  PIN 1  +  PIN 2  S 2  PIN 3		
Jacket) 24 W @ 60 S  Min. operating temperature (static) -40 °C  Max. operating temperature min. (dynamic) -5 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) -5 °C  Ood, application-related testing -5 Ood, application-related testing -6 Ood, application-related testing -7 Ood, application		2 KV (@ 6U S
Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 10  Family construction form M8  Gender female  Color contact carrier black  Coding A  No. of poles 4  PIN 1 +  PIN 2 S 2  PIN 3 -	jacket)	
Operating temperature min. (dynamic)     -5 °C       Operating temperature max. (dynamic)     80 °C       Flame resistance     UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     7,5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Travel speed (C-track)     5 Mio. @ 25 °C       Connection type 2       Family construction form     free cable end       No. of poles     10       Family construction form     M8       Gender     female       Color contact carrier     black       Coding     A       No. of poles     4       PIN 1     +       PIN 2     S 2       PIN 3     -		-40 °C
Operating temperature max. (dynamic)     80 °C       Flame resistance     UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     7,5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Travel speed (C-track)     5 Mio. @ 25 °C       Connection type 2       Family construction form     free cable end       No. of poles     10       Family construction form     M8       Gender     female       Color contact carrier     black       Coding     A       No. of poles     4       PIN 1     +       PIN 2     S 2       PIN 3     -		
Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404    Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 10  Family construction form M8  Gender female  Color contact carrier black  Coding A  No. of poles 4  PIN 1 +  PIN 2 S 2  PIN 3 -	Operating temperature min. (dynamic)	-5℃
chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (installation)       x Outer diameter         Bending radius (fixed)       7,5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         Connection type 2         Family construction form       free cable end         No. of poles       10         Family construction form       M8         Gender       female         Color contact carrier       black         Coding       A         No. of poles       4         PIN 1       +         PIN 2       S 2         PIN 3       -	Operating temperature max. (dynamic)	80 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end No. of poles 10  Family construction form M8  Gender female  Color contact carrier black  Coding A  No. of poles 4  PIN 1 +  PIN 2 S 2  PIN 3 -	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 10  Family construction form M8  Gender female  Color contact carrier black  Coding A  No. of poles 4  PIN 1 +  PIN 2 S 2  PIN 3 -	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 10  Family construction form M8  Gender female  Color contact carrier black  Coding A  No. of poles 4  PIN 1 +  PIN 2 S 2  PIN 3 -	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Connection type 2  Family construction form free cable end  No. of poles 10  Family construction form M8  Gender female  Color contact carrier black  Coding A  No. of poles 4  PIN 1 +  PIN 2 S 2  PIN 3 -	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic)  Travel speed (C-track)  5 Mio. @ 25 °C  Connection type 2  Family construction form  No. of poles  10  Family construction form  M8  Gender  Gender  Color contact carrier  black  Coding  A  No. of poles  4  PIN 1  +  PIN 2  S 2  PIN 3  -  10 × Outer diameter  10 × Outer diamet	Bending radius (installation)	x Outer diameter
Travel speed (C-track)         5 Mio. @ 25 °C           Connection type 2           Family construction form         free cable end           No. of poles         10           Family construction form         M8           Gender         female           Color contact carrier         black           Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	Bending radius (fixed)	7,5 x Outer diameter
Connection type 2           Family construction form         free cable end           No. of poles         10           Family construction form         M8           Gender         female           Color contact carrier         black           Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	Bending radius (dynamic)	10 x Outer diameter
Family construction form         free cable end           No. of poles         10           Family construction form         M8           Gender         female           Color contact carrier         black           Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	Travel speed (C-track)	5 Mio. @ 25 °C
No. of poles         10           Family construction form         M8           Gender         female           Color contact carrier         black           Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	Connection type 2	
Family construction form         M8           Gender         female           Color contact carrier         black           Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	Family construction form	free cable end
Gender         female           Color contact carrier         black           Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	No. of poles	10
Color contact carrier         black           Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	Family construction form	M8
Coding         A           No. of poles         4           PIN 1         +           PIN 2         S 2           PIN 3         -	Gender	female
No. of poles       4         PIN 1       +         PIN 2       S 2         PIN 3       -	Color contact carrier	black
PIN 1 + PIN 2 S 2 PIN 3 -	Coding	A
PIN 2         S 2           PIN 3         -	No. of poles	4
PIN 2         \$ 2           PIN 3         -	PIN 1	+
PIN 3 -	PIN 2	
	PIN 3	-
		\$1