查询chalade供应函vDI3292

haracteristics Symbol Unit [Description			
Electrical Characterist	ics	Type RS	Type IS		
Operating voltage	U _B	٧	10-230 AC/DC (NO) 10-70 AC/DC (NC)	10-30 DC	
Connection			Two wire	Three wire	
Switching function		075	Normally open (NO) Normally closed (NC)	PNP NPN	
Max. permanent switching current	I _{Dmax}	mA	200	200	
Max. switching capacity		VA (W)	6 VA	6 W	
Residual voltage at I _{Lmax}		V	<3 <2		
Max. current consumption		mA	- 10		
Status indicator			LED, yellow		
Switching time	g F	ms	On: 1 Off: 2	On: 0,5	
Switch-off delay		ms	-	ca. 20	
Max. switching frequency		Hz	200	-	
Pole reversal			LED does not work	-	
Pole reversal protection	1		-	Builtin	
Short circuit protection			-	Builtin	
Switchable capacity		μF	- //9	≤0,15	
Switching distance		mm	ca. 15	ca. 15	
Hysteresis	-	mm	ca. 8	ca.3	
Mechanical Characte	ristics	. 425	6.00		
Housing			Makrolon, grey		
Insulation class			F to VDE 0580		
Connection			Cable, LIFYY, PVC, black, 5 m long	3-pole connector cable length 100mm	
Cable cross section (highly flexible)		mm²	2x0,14	3x0,14	
Cable (highly flexible)			PVC, black		
Wire colours	E.	N DZS	Brown AC/DC+ white, signal output	Pin 1 = +, brown Pin 2 = 0V, blue Pin 3 = Signal black or white	
Permissible minimum bending radius fixed of cable movin	0	mm	≥20 ≥70		
	-	mm	±0,1		
Switching point accuracy		°C	-10 +75		
Temperature range	ϑ_{min}	°Č			
Service life Switching cycles			3x10 ⁶ up to 6 x 10 ⁶ Theoretically unlimited		
Electrical protection		IP	67 to DIN 40005		
Shock resistance	LIW!	m/s²	100 (contact switches) 500		
Vibration resistance (amplitude ≤ 1 mm)		Hz	10 55		
Weight (mass)		kg	0,12		

For linear drives see 1.10.002E, 1.20.002E, 1.30.002E

Data Sheet No. 1.45.100E-1

Linear Drive Accessories

ø 16-80 mm Proximity Sensors

OSP

ORIGA

SYSTEM
PLUS

For electrical sensing of the carrier position, e.g. at the end positions, proximity sensors may be fitted.

Position sensing is contactless and is based on magnets fitted as standard to the carrier. A yellow LED indicates operating status.

Piston, speed and switching distance affect signal duration and should be considered in conjunction with the minimum reaction time of ancillary control equpiment.

Switching distance

Min. reaction time = Piston speed

WWW.DZSC



In the type RS contact is made by a mechanical **reed switch** encapsulated in glass. Direct connection with 2-pole cable, 5m long, open ended.

Type IS

In the type IS contact is made by an **electronic inductive switch** – without bounce or wear and protected from pole reversal. The output is short circuit proof and insensitive to shocks and vibrations. Connection is by 3-pole connector for easy disconnection. Fitted with connection cable 100 mm long with connector and supplied with a 5 m cable with connector at one end and the other end open.

Proximity Sensors RS and IS

Electrical Service Life Protective Measures

Magnetic switches are sensitive to excessive currents and inductions. With high switching frequencies and inductive loads such as relays, solenoid valves or lifting magnets, service life will be greatly reduced.

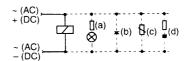
With resistive and capacitative loads with high switch-on current, such as light bulbs, a protective resistor should be fitted. This also applies to long cable lengths and voltages over 100 V.

In the switching of inductive loads such as relays, solenoid valves and lifting magnets, voltage peaks (transients) are generated which must be suppressed by protective diodes, RC loops or varistors.

Connection Examples

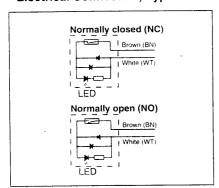
Load with protective circuits

- (a) Protective resistor for light bulb
- (b) Freewheel diode on inductivity
- (c) Varistor on inductivity
- (d) RC element on inductivity

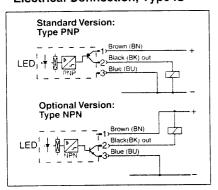


For the type IS, external protective circuits are not normally needed.

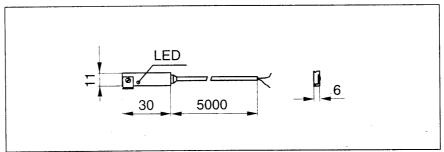
Electrical Connection, Type RS



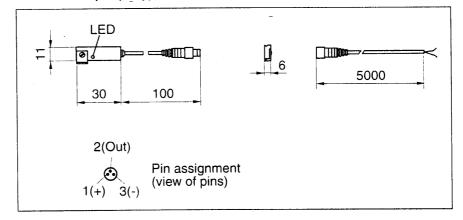
Electrical Connection, Type IS



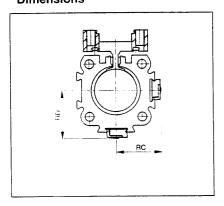
Dimensions (mm) - Type RS



Dimensions (mm) - Type IS



Dimensions



Dimension Table (mm) and Order Instructions

Series				Order No.				
	Dimensions RC RD			RS Normally open Normally closed		IS PNP NPN		
OSP-16	20	20.5						
OSP-25	25	27						
OSP-32	31	34						
OSP-40	36	39	10602	10606	10750	10751		
OSP-50	43	48						
OSP-63	53	59						
OSP-80	66	72						

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