Bearing parallel hand Double acting/single acting

# **HEP** Series

Operational stroke length: 24, 36, 40, 50, 60mm





# **Specifications**

RRC GRC

RV3\* NHS HR LN

HAP BSA2

LHAG LHAG HKP

HEP
HCP
HMF
HMFB
HFP
HLC
HGP

HBL
HMD
HJL
BHE
CKG
CKA
CKA
CKS
CKF
CKJ

CKH2
CKLB2
NCK/
SCK/FCK
FJ
FK
Ending

Descriptions				HEP		
Size		3.5CS	4CS	5CS	6CS	7CS
Cylinder bore size m	nm	φ32	φ50	φ 63	φ80	<i>ϕ</i> 100
Actuation		Double acting/single acting				
Working fluid		Compressed air				
Max. working pressure M	Pa	0.7		0.5		
Min. working pressure M	Pa	0.3				
Ambient temperature	°C	5 to 60				
Port size		M5	M5 Rc1/8		Rc1/4	
Operational stroke length m	nm	24	36	40	50	60
Rod diameter m	nm	φ14	φ 20	φ 24	φ 28	φ 30
Capacity of reciprocating c	m³	17.5	65.0	115.6	236	450
Repeatability m	nm	±0.03				
Product weight	kg	1.2	3.2	4.7	7.8	11.7
Lubrication		Not required (when lubricating, use turbine oil Class 1 ISO VG32)				

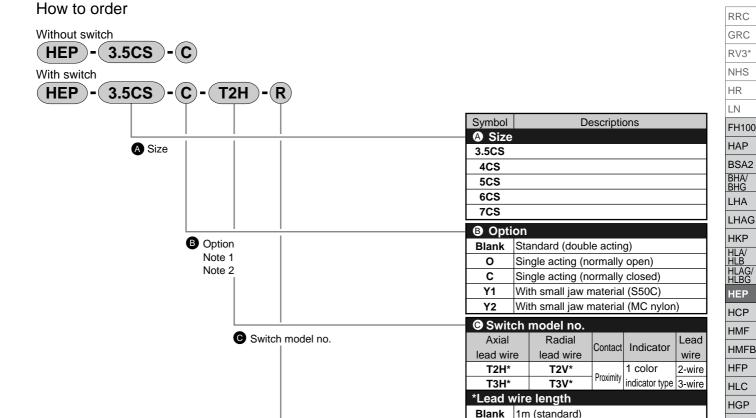
### Switch specifications

Descriptions	Proximity 2 wire	Proximity 3 wire		
Descriptions	T2H/T2V	T3H/T3V		
Applications	Programmable controller	Programmable controller, relay		
Output method	-	NPN output		
Power voltage	-	10 to 28 VDC		
Load voltage/current	10 to 30 VDC, 5 to 20 mA (Note 1)	30 VDC or less, 100mA or less		
Light	LED (ON lighting)			
Leakage current	1mA or less	10 μ A or less		
Maximum shock resistance	980m/s₂			
Lead wire		Standard 1m		
	Standard 1m (oil resistant vinyl cabtire cable 2-conductor 0.2mm²)	(oil resistant vinyl cabtire cable 2-conductor 0.2mm²)		

Note 1: Max. load current above: 20 mA at 25°C.

The current will be lower than 20mA if ambient temperature around switch is higher than 25°C. (5 to 10mA with 60°C)





Note on model no. selection Note 1: Refer to pages 412 to 413 for the dimensions and applicable model of the small jaw. These are attached at shipment. (When ordered as an option, two are included)

Note 2: 6CS and 7CS have no small jaw.

## <Example of model number>

### HEP-3.5CS-O-T2H-R

Model: Bearing parallel hand **A** Size : 3.5CS

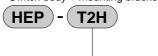
Option : Single acting, normally open type © Switch model no.: Proximity T2H switch, lead wire 1m

D Switch quantity : One on open side

### How to order switch

For switch T\*H\*

· Switch body + mounting bracket



Switch model no. (Item above ©)

· Mounting bracket

3

R

Н

D

3m (option)

5m (option)

One on open side

One on closed side

Switch quantity

Two

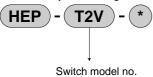


· Mounting bracket

HEP )

For switch T\*V\*

· Switch body + mounting bracket



(Item above ©)

· Switch body T<sub>2</sub>V Switch model no. (Item above ©)

· Switch body

T2H

Switch model no.

(Item above ©)

Switch quantity

(Select either R (open) or H (closed) for sections marked with an asterisk (\*). )

FH500

HBL

HDL

HMD

HJL

BHE

CKG

CK CKA

CKS

CKF

CKJ

CKL2

CKH2 CKLB2

NCK/ SCK/FCK

Ending

Bearing parallel hand Hand

FJ FΚ