



SCHMERSAL Compact Limit Switches

Compact Limit Switches PS116 Series

Features

- Metal top with thermoplastic body
- (1) N.O./ (1) N.C. contact on all units
- 45-degree adjustable head
- Lever angle models adjustable 15° steps
- IP66, IP67



PS116Z11-STRR200

Compact Limit Switches PS116 Series								
Part Number	Price	Drawing Link and Weights	Action	Actuator Type	Min. Actuating Speed mm/min	Max. Actuating Speed m/s	Switch Travel / Contact Diagram	Connection Type
PS116Z11-L200S200	\$5vqy:	PDF	Snap	Plastic plunger	10	0.5	2 / 2	6.5ft/2m pigtail,bottom exit
PS116Z11-LR200S200	\$5vqz:	PDF					2 / 2	6.5ft/2m pigtail, right exit
PS116Z11-ST5200	\$.5vqj:	PDF					2 / 2	(1) 4-pin M12 quick-disconnect, bottom exit
PS116Z11-STRS200	\$.5vqj:	PDF					2 / 2	(1) 4-pin M12 quick-disconnect, right exit
PS116T11-L200S200	\$5vq_:	PDF	Slow action break before make		60		4 / 1	6.5ft/2m pigtail, bottom exit
PS116T11-STRS200	\$5vs6:	PDF					4 / 1	(1) 4-pin M12 quick-disconnect, right exit
PS116Z11-LR200R200	\$5vs8:	PDF	Snap	Plunger with plastic roller	10		2 / 2	6.5ft/2m pigtail, right exit
PS116Z11-L200R200	\$5vs7:	PDF					2 / 2	6.5ft/2m pigtail,bottom exit
PS116Z11-STR200	\$5vs9:	PDF					2 / 2	(1) 4-pin M12 quick-disconnect, bottom exit
PS116Z11-STRR200	\$5vsa:	PDF					2 / 2	(1) 4-pin M12 quick-disconnect, right exit
PS116T11-L200R200	\$5vq#:	PDF	Slow action break before make		60		4 / 1	6.5ft/2m pigtail, bottom exit
PS116T11-STRR200	\$.5vq!:	PDF					4 / 1	(1) 4-pin M12 quick-disconnect, right exit
PS116Z11-L200H200	\$5vq?:	PDF	Snap	Side rotary lever with plastic roller	10	1	1 / 2	6.5ft/2m pigtail, bottom exit
PS116Z11-LR200H200	\$.5vq,:	PDF					1 / 2	6.5ft/2m pigtail, right exit
PS116Z11-STH200	\$5vs0:	PDF					1 / 2	(1) 4-pin M12 quick-disconnect, bottom exit
PS116Z11-STRH200	\$5vsb:	PDF					1 / 2	(1) 4-pin M12 quick-disconnect, right exit
PS116T11-L200H200	\$5vsc:	PDF	Slow action break before make		60		3 / 1	6.5ft/2m pigtail, bottom exit
PS116T11-STRH200	\$5vsd:	PDF					3 / 1	(1) 4-pin M12 quick-disconnect, right exit
PS116Z11-L200N200	\$5vse:	PDF	Snap	Side rotary adjustable lever with plastic roller	10		1 / 2	6.5ft/2m pigtail, bottom exit
PS116Z11-LR200N200	\$.5vsf:	PDF					1 / 2	6.5ft/2m pigtail, right exit
PS116Z11-STN200	\$5vs1:	PDF					1 / 2	(1) 4-pin M12 quick-disconnect, bottom exit
PS116Z11-STRN200	\$5vs2:	PDF					1 / 2	(1) 4-pin M12 quick-disconnect, right exit
PS116T11-L200N200	\$5vs3:	PDF	Slow action break before make		60		3 / 2	6.5ft/2m pigtail, bottom exit
PS116T11-STRN200	\$5vs4:	PDF					3 / -	(1) 4-pin M12 quick-disconnect, right exit
PS116Z11-L200J200	\$5vs5:	PDF	Snap	Side rotary adjustable plastic rod	10	5 / 2	6.5ft/2m pigtail, bottom exit	
PS116Z11-LR200J200	\$5vsg:	PDF					6.5ft/2m pigtail, right exit	
PS116Z11-STJ200	\$5vsh:	PDF					(1) 4-pin M12 quick-disconnect, bottom exit	



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Compact Limit Switches Specifications PS116 Series

Technical Data

Standards	IEC 60947-5-1
Degree of Protection	IP66, IP67
Protection Rating	II
Degree of Pollution	3
Temperature Range	-30 to 80°C [-22 to 176°F]

Mechanical Ratings

Min. Actuating Force	10N
Min. Positive Break Force	40N
Mechanical Life	10,000,000 operations minimum
Enclosure Material	Plastic, glass fiber reinforced thermoplastic, zinc die-cast, chromate

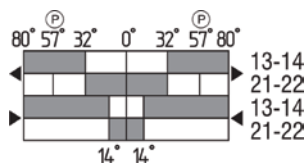
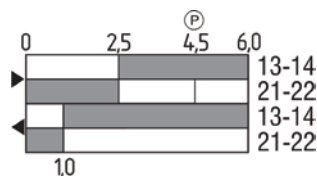
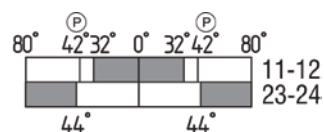
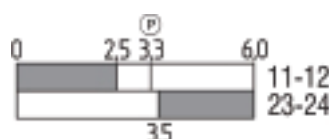
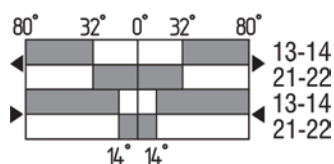
Electrical Data

Rated Operating Current/Voltage Ie/Ue	Connecting Cable, 4 core:	3A / 240VAC, 1.5 A 24VDC
	Connector Plug M12 4-pole	1.5 A / 240VAC, 1.5 A 24VDC
Rated Impulse Withstand Voltage Uimp	Connecting Cable, 4 core:	4kV
	Connector Plug M12 4-pole	2.5 kV
Rated Insulation Voltage Ui	Connecting Cable, 4 core:	300V
	Connector Plug M12 4-pole	300V
Thermal Test Current Ithe	Connecting Cable, 4 core:	5A
	Connector Plug M12 4-pole	2.5 A
Maximum Fuse Rating		6 AgG D-fuse
Required Short-Circuit Current (EN 60947-5-1)		400A
B10D to ISO 13849-1	N.C. Contact	20,000,000
	N.O. Contact (at 10% ohmic contact load)	1,000,000
Agency Approvals *		UL File E57648, CE

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

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Switch Travel Diagrams

**DIAGRAM 1****DIAGRAM 2****DIAGRAM 3****DIAGRAM 4****DIAGRAM 5**

Contact Travel Diagrams

Slow Action

(3) BN 11 — 12 PK (4)
(1) YE 23 — 24 WH (2)

DIAGRAM 1

Snap Action

(3) BN 13 — 14 PK (4)
(1) YE 21 — 22 WH (2)

DIAGRAM 2

M12 Connector

