

RISH Cam Series

Isolator Switches

	Description	Current Rating									
	Description	6A	10A	16A	25A	32A	40A	63A	100A	200A	
RISHCAM-I60 (60°)											
RISHCAM-I	1P ON-OFF	~	~	~	~	~	~	~	✓	~	
- @ ⁰	2P ON-OFF	~	~	~	~	~	~	✓	\checkmark	~	
	3P ON-OFF	✓	✓	✓	~	\checkmark	✓	~	\checkmark	~	
Offered up to 12 poles											
RISHCAM-190 (90°)											
	1P ON-OFF	~	~	~	~	~	~	~	~	~	
	2P ON-OFF	✓	~	~	~	~	~	~	√	~	
	3P ON-OFF	✓	~	✓	~	\checkmark	✓	~	\checkmark	~	
Offered up to 12 poles											
RISHCAM-190CR (90°	complete rotation)										
OFF	1P ON-OFF	~	~	~	~	~	~	~	✓	~	
ON ON	2P ON-OFF	✓	~	~	~	~	~	~	\checkmark	~	
LR OFF	3P ON-OFF	✓	~	✓	~	~	✓	✓	\checkmark	~	
Offered up to 12 poles											
RISHCAM-145 (45°)											
	1P ON-OFF	~	~	~	~	~	~	~	Х	Х	
	2P ON-OFF	~	~	~	~	~	~	~	Х	Х	
	3P ON-OFF	✓	~	~	~	~	~	~	Х	Х	
Offered up to 12 poles											

Changeover Switches

	Description	Current Rating										
	Description	6A	10A	16A	25A	32A	40A	63A	100A	200A		
RISHCAM-COFF 60 (6	0° with OFF)											
RISHCAM-C	1P 2W-OFF	~	~	~	~	✓	\checkmark	~	~	~		
	2P 2W-OFF	~	✓	✓	✓	✓	\checkmark	~	~	✓		
	3P 2W-OFF	✓	✓	\checkmark	✓	✓	\checkmark	\checkmark	✓	\checkmark		
Offered up to 6 poles												
RISHCAM-COFF 90 (9	0° with OFF)											
	1P 2W-OFF	~	✓	~	~	✓	\checkmark	~	~	~		
1 2	2P 2W-OFF	~	✓	✓	✓	✓	\checkmark	~	~	✓		
	3P 2W-OFF	~	✓	✓	✓	✓	\checkmark	~	~	~		
Offered up to 6 poles												
RISHCAM-CWOFF 90	(90° without OFF)											
	1P 2W-WOFF	~	~	~	~	\checkmark	\checkmark	~	✓	~		
2	2P 2W-WOFF	~	~	✓	~	~	\checkmark	~	~	~		
	3P 2W-WOFF	~	~	~	~	\checkmark	\checkmark	~	~	~		
Offered up to 6 poles												
RISHCAM-PCF90 (Pha	se change over, 90° with OFF)											
OFF 3	1P 3W-OFF	~	~	~	~	\checkmark	\checkmark	~	~	~		
	2P 3W-OFF	~	✓	✓	✓	✓	\checkmark	~	~	~		
	3P 3W-OFF	~	~	~	~	\checkmark	\checkmark	~	~	~		
Offered up to 6 poles												

Multistep Switches

	Description		Current Rating										
	Description	6A	10A	16A	25A	32A	40A	63A	100A	200A			
RISHCAM-MOFF - 3	WAY (3W, 90°)												
RISHCAM-I	1P 3W-OFF	✓	~	~	~	~	~	~	\checkmark	~			
	2P 3W-OFF	✓	~	~	~	~	~	✓	✓	~			
	3P 3W-OFF	~	~	~	~	~	~	✓	~	~			
	4P 3W-OFF	~	~	~	~	~	~	√	✓	~			
RISHCAM-MOFF - 4	WAY (4W, 60°)												
0	1P 4W-OFF	✓	~	~	~	~	~	~	✓	~			
	2P 4W-OFF	✓	~	~	~	~	~	~	~	~			
	3P 4W-OFF	✓	~	~	~	~	~	~	~	~			
RISHCAM-MOFF - 5	WAY (5W, 60°)												
	1P 5W-OFF	✓	~	✓	~	~	~	✓	✓	~			
s 1 1	2P 5W-OFF	1	~	~	~	~	~	~	✓	~			
RISHCAM-MOFF - 6	WAY (6W, 45°)												
	1P 6W-OFF	✓	✓	~	~	✓	✓	✓	Х	Х			
6 — (– 2	2P 6W-OFF	~	~	~	~	~	~	✓	Х	Х			
RISHCAM-MOFF - 7	WAY (7W, 45°)												
	1P 7W-OFF	✓	✓	~	~	✓	~	~	Х	Х			
6 - 0 - 2 5 - 2													
RISHCAM-MOFF - 8													
	1P 8W-OFF	~	✓	✓	Х	Х	Х	Х	Х	Х			
$\begin{bmatrix} 3 \\ 1 \\ \frac{1}{6} \end{bmatrix} \begin{bmatrix} 4 \\ -5 \end{bmatrix}$													
RISHCAM-MOFF - 9	WAY (9W, 30°)												
(° 1	1P 9W-OFF	✓	~	~	Х	Х	Х	Х	Х	Х			
» — ⊕ — 3													
$\begin{array}{c c} & 1 & 4\\ \hline \\ $													
RISHCAM-MOFF - 1	0WAY (10W, 30°)												
	1P 10W-OFF	✓	✓	✓	Х	Х	Х	Х	Х	Х			
9 9 3 8 4 ≩7 6 5													
RISHCAM-MOFF - 1	$1 \times 1 \times$												
	1P 11W-OFF	✓	✓	~	Х	Х	Х	Х	Х	Х			
	TF TTW-OFF	v	v	v	Х	Λ	Χ	Λ	Λ	Χ			
RISHCAM-MOFF - 3	WAY (3W, 60° without OFF)												
	1P 3W-WOFF	✓	~	~	~	~	~	✓	\checkmark	~			
	2P 3W-WOFF	✓	~	~	~	~	~	✓	✓	~			
	3P 3W-WOFF	~	~	~	~	~	~	~	✓	~			
	4P 3W-WOFF	✓	~	~	~	~	~	✓	~	~			
	WAY (4W, 90° without OFF)												
KI3HCAW-MOTT - 4													
	1P 4W-WOFF	✓	\checkmark	√	√	\checkmark	√	√	✓	~			
	1P 4W-WOFF 2P 4W-WOFF	√ √	√ √	√ √	√ √	✓ ✓	√ √	√ √	✓ ✓	✓ ✓			

Multistep Switches

		Current Rating										
	Description	6A	10A	16A	25A	32A	40A	63A	100A	200A		
RISHCAM-MOFF - 5W	/AY (5W, 60° without OFF)											
	1P 5W-WOFF	~	✓	✓	✓	✓	✓	~	~	~		
	2P 5W-WOFF	✓	~	~	~	~	~	~	~	~		
5 5 <u> </u> <u>*</u> 4												
RISHCAM-MOFF - 6W	/AY (6W, 60° without OFF)											
	1P 6W-WOFF	✓	~	~	~	~	~	~	~	~		
	2P 6W-WOFF	✓	~	~	\checkmark	✓	~	1	~	~		
5 3 1 [*] 4												
RISHCAM-MOFF - 7W	/AY (7W, 45 ^º without OFF)											
	1P 7W-WOFF	✓	~	~	~	~	~	~	Х	Х		
$\begin{bmatrix} & & 2 \\ 7 & - & 0 \end{bmatrix} = \begin{bmatrix} a \\ b \\ b \\ b \\ b \\ b \\ c \end{bmatrix}$												
RISHCAM-MOFF - 8W	/AY (8W, 45° without OFF)											
	1P 8W-WOFF	√	√	√	√	~	~	✓	Х	Х		
$\begin{array}{c} 0 \\ 7 \\ \hline \end{array} \begin{array}{c} - \\ \hline \end{array} \begin{array}{c} 0 \\ \hline \end{array} \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \end{array} \begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \end{array} \begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$												
RISHCAM-MOFF - 9W	/AY (9W, 30° without OFF)											
	1P 9W-WOFF	✓	~	~	Х	Х	Х	Х	Х	Х		
RISHCAM-MOFF - 10	WAY (10W, 30° without OFF)											
	1P 10W-WOFF	~	✓	✓	Х	Х	Х	Х	Х	Х		
$\begin{array}{c c} & 2 \\ & 3 \\ 10 & \hline \end{array} \begin{array}{c} & 3 \\ 9 & \hline \end{array} \begin{array}{c} & 4 \\ 9 & \hline \end{array} \begin{array}{c} & 5 \\ 1 \\ 1 \\ 1 \\ 1 \end{array}$												
RISHCAM-MOFF - 11	WAY (11W, 30° without OFF)											
	1P 11W-WOFF	~	~	~	Х	Х	Х	Х	Х	Х		
$\begin{array}{c c} 11 & 2 & 3 \\ 10 & -6 & -4 \\ 9 & 1 & 6 \\ 12 & 7 & 6 \\ 12 & 7 & 6 \end{array}$												
RISHCAM-MOFF - 12	WAY (12W, 30° without OFF)											
	1P 12W-WOFF	✓	~	~	Х	Х	Х	Х	Х	Х		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$												

Instrumentation Switches

Instrumentation	5 whenes									
	Description				Cu	rrent Ra	ting			
	Description	6A	10A	16A	25A	32A	40A	63A	100A	200A
AMMETER SELECTOR	R SWITCH - '5 Position'									
	Line Currents with off with neutral	✓	\checkmark	✓	Х	Х	Х	Х	Х	Х
AMMETER SELECTOR	R SWITCH - '4 Position'									
	Line Currents with OFF	~	\checkmark	~	Х	Х	Х	Х	Х	Х
VOLTMETER SELECTO	OR SWITCH - '4 Position'									
OFF	Voltage Between Phase with OFF	✓	\checkmark	~	Х	Х	Х	Х	Х	Х
VOLTMETER SELECTO	OR SWITCH - '7 Position'									
OFF	Voltage Between Phase & Individual	~	~	~	х	х	х	х	х	х
	Phases to neutral with OFF	v	v	v	~	~	~	~	~	^
BR _t + BN										
VOLTMETER SELECTO	OR SWITCH - '4 Position'									
	Voltage Between Phase & neutral	~	~	~	х	х	х	х	х	х
	with OFF	Ŷ	v	v	Λ	^	~	^	^	~