

GX2051O48 ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Incode basignation Switching diagram Skitching diagram	Product designation				Rotary cam
General characteristics S1 - Chargeover switch 1 pole N° of elements 1 N° of elements C48 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics C48 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics C48 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics V Rated insulation voltage Uinp KV Conventional free air thermal current th IEC/EN A Conventional free air thermal current th IEC/EN A Rated operational voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10KA A 20 Tated operational current low 1 A 20 Conductivity 10/5 mA/V 0 0 AC15 110V A 10 220/2030V A 8 38/0/400V A AC15 110V A 10 220/2030V KW 3.5 5 Rated operational power in AC 220/2030V	-				
Switching diagram Site Changeover switch 1 pole N° of elements 1 Mounting form Service cover for 35mm din rail mounting with black handle Rated insulation voltage Ui IEC/EN V Rated insulation voltage Uimp KV 6 Conventional free air thermal current th IEC/EN V 600 Rated operational voltage V 440 440 Rated operational voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 If KA A 20 15kA A 20 Conductivity 10kA A 20 15kA 20 Rated operational voltage KV 4 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Rated short time current Icw 1s A 20 Conductivity 10/5 mA/V 0 220/230V A 8 AC15 110V A 10 220/230V KW					GX20
Switch 1 pole switch 1 pole N° of elements 1 Mounting form 048 - Modular 36mm din rail mounting with black handle Contact characteristics 35mm din rail mounting with black handle Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN X 600 Rated operational impulse voltage V 440 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Rated operational current lew 1 10/5 mA/V 0 Operational current le IEC/EN A 20 20/202/20V A 8 AC15 110/V A 10 220/20V A 6 Rated operational power in AC Three-phase AC-3 220/202V XW 3.5					51 - Changeover
Mounting form 048 - Modular service cover for 35mm dm rail mounting with black handle Contact characteristics IEC/EN V 690 Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN A 20 Rated operational voltage V 440 4 Rated operational impulse voltage KV 4 4 Maximum tuse size for short-circuit protection In (gG) 16kA A 20 Rated short time current Icw 1s A 20 Conductivity 10/2 SA A 10 AC15 110V A 10 AC16 20 20 20 Rated operational current IcW 1 A 20 AC16 10/5 mA/V 0 20 Operational current Ick 20 20 20 Rated operational power in AC 10 20 20/230V KW 37 Single-phase AC-3					
Mounting form service cover for 35mm din rail mounting with black handle Contact characteristics	N° of elements				
Rated insulation voltage Ui IEC/EN V 690 QU/CSA V 690 Conventional free air thermal current lth IEC/EN A 20 QU/CSA A 15 Rated operational voltage V 440 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Rated operational impulse voltage KV 4 Rated short time current lcw 10kA A 20 Rated short time current lcw 1 SA 20/20 A 210/20 Conductivity 10/5 mA/V Operational current le IEC/EN A 20/20/20/20/20/20/20/20/20/20/20/20/20/2	Mounting form				service cover for 35mm din rail mounting with
IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 20 UL/CSA A 15 Rated operational voltage V 440 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 16kA A 20 15kA A 20 Rated short time current lcw 1s A 20 25kA A 20 Querational current le IEC/EN 10/5 mA/V 0/5 mA/V 0/5 mA/V 0/5 mA/V Operational current le IEC/EN A 20 A 8 380/400V A 6 AC15 110V A 10 220/230V A 8 380/400V A 6 Conductivity 10 220/230V KW 3.7 380/440V KW 5.5 5 Rated operational power in AC 110V A <t< td=""><td>Contact characteristics</td><td></td><td></td><td></td><td></td></t<>	Contact characteristics				
UL/CSA V 600 Rated inpulse withstand voltage Uimp KV 6 Conventional free air thermal current lth IEC/EN A 20 Rated operational voltage V 440 Rated operational inpulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current low 1s A 20 25kA A 20 Conductivity 1s A 250 00/5 mA/V 00/5 mA/V Operational current let EC/EN 10/5 mA/V 00/5 mA/V 00 220/230V A 8 AC15 110/V A 10 220/230V A 8 Rated operational power in AC Three-phase AC-3 220/230V KW 3.7 Single-phase AC-3 110/V X 0.75 220/230V KW 3.5 Single-phase AC-3 110/V KW 0.75 220/230V <td>Rated insulation voltage</td> <td>e Ui</td> <td></td> <td></td> <td></td>	Rated insulation voltage	e Ui			
Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 20 Rated operational voltage V 440 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 20 15kA A 20 Rated short time current lcw 1s A 20 25kA 20 Conductivity 1s A 250 00/5 mA/V 0 Operational current le IEC/EN AC15 10/5 mA/V 0 0 AC15 110V A 10 20/2020V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V KW 3.5 Single-phase AC-3 110V kW 0.75 220/230V kW 3.8 380/440V kW 3 380/440V KW 3.5				-	
Conventional free air thermal current lth IEC/EN A 20 UL/CSA A 15 Rated operational voltage V 440 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 20 15kA A 20 Rated short time current lcw 1 10kA A 20 Conductivity 10/5 mA/V 0	Dated impulse with star	d velte se Lliese	UL/CSA		
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UL/CSA A 15 Rated operational impulse voltage V 440 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current low 1s A 250 20 Conductivity 10/5 mA/V 00/5 mA/V 00/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 110/V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 A 1.5 A Rated operational power in AC Three-phase AC-3 220/230V KW 3.7 380/440V KW 5.5 Single-phase AC-3 110/V KW 0.75 220/230V KW 4 380/440V KW 3.7 380/440V KW 1.8 380/440V KW 3.5			IFC/FN	А	20
Rated operational voltage V 440 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current lcw 1s A 250 20 Conductivity 1s A 20 220/230V A 8 AC1/AC21A A 20 220/230V A 8 380/400V A 6 Rated operational power in AC 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 A 6 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 20 25kA A 20 Rated short time current lcw 1s A 250 25kA A 20 Conductivity 1s A 250 10/5 mA/V 00/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 100 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 500/690V kW 3.7 380/440V kW 5.5 500/690V kW 3.8 30/440V kW 3.7 380/440V kW 3.8 30/440V kW 3.8 30/440V kW 3.5 300/690V	Rated operational volta	ge			
10kA A 20 15kA A 20 Rated short time current lcw 1s A 250 Conductivity 10/5 mA/V 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 10/V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 3 1 Three-phase AC-3 110V kW 0.75 Single-phase AC-3 110V kW 4 380/440V kW 3 1 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 5 Single-phase AC23A 220/230V kW 4	Rated operational impu	lse voltage		kV	4
15kA A 20 Rated short time current low 1s A 250 Conductivity 1s A 250 Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 1.5 Rated operational power in AC Three-phase AC-3 220/230V KW 3.7 380/440V kW 5.5 500/690V kW 3.7 380/440V kW 3.7 380/440V kW 3.7 380/440V kW 3.7 380/440V kW 3.7 380/440V kW 0.75 380/440V kW 3.8 Three-phase AC-3 110V kW 3.7 380/440V kW 3.8 380/440V kW 3.8 380/440V kW 3.5 Single-phase AC23A 220/230V kW 4 380/440V <t< td=""><td>Maximum fuse size for</td><td>short-circuit protection In (gG)</td><td></td><td></td><td></td></t<>	Maximum fuse size for	short-circuit protection In (gG)			
25kA A 20 Rated short time current lcw 1s A 250 Conductivity 10/5 mA/V 0 Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 15 15 15 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 3.7 380/440V kW 3.5 380/440V kW 3.5 Single-phase AC-3 110V kW 0.75 220/230V kW 3 Three-phase AC23A 220/230V kW 4 380/440V 380/440V KW 3 Three-phase AC23A 220/230V kW 4 380/440V 4 380/440V 4 380/440V KW					
Rated short time current low 1s A 250 Conductivity 10/5 mA/V 0perational current le IEC/EN 10/5 mA/V AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 15 15 15 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V 5.5 500/690V KW 5.5 55 Single-phase AC-3 110V kW 0.75 220/230V kW 3 Three-phase AC-3 110V kW 0.75 380/440V KW 3 Three-phase AC23A 220/230V kW 4 380/440V 3 3 Three-phase AC23A 220/230V kW 4 380/440V 4 3 Gooderset AC23A 110V kW 7.5 5 500/690V KW 7.5					
1s A 250 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 AC15 110V A 10 Z20/230V A 8 380/400V A 6 Rated operational power in AC Three-phase AC-3 Z20/230V kW 3.7 Single-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 3 Three-phase AC-3 110V kW 0.75 380/440V kW 3 Three-phase AC-3 110V kW 0.75 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V 380/440V KW 7.5 Single-phase AC23A 220/230V kW 4 380/440V KW 7.5 500/690V KW 7.5 500/690V <t< td=""><td>Detected also at time a summer</td><td>4 1</td><td>25kA</td><td>A</td><td>20</td></t<>	Detected also at time a summer	4 1	25kA	A	20
Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 1.5 1.5 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75 500/690V kW 7.5	Rated short time curren		16	Δ	250
Operational current le IEC/EN A 20 AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 1.5 1.5 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 50 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5	Conductivity		13	~	
AC1/AC21A AC15 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 110V kW 4 380/440V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5 500/690V kW 7.5		EC/EN			
AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 1.5 1.5 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 Single-phase AC-3 110V kW 0.75 Single-phase AC-3 110V kW 1.8 Single-phase AC-33 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 0.75	•				
110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 Single-phase AC-3 110V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 3 3 Three-phase AC23A Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5				А	20
220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC-3 110V kW 0.75 220/230V kW 4 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75		AC15			
380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 Single-phase AC23A					
660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75					
Rated operational power in AC Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75 110V kW 0.75					
Three-phase AC-3 220/230V kW 3.7 380/440V kW 5.5 Single-phase AC-3 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75 500/690V 50/690V 50/690V 50/690V	Rated operational now	ar in AC	000/090 v	A	1.5
220/230V kW 3.7 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75 500/690V 100/75					
380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75			220/230V	kW	3.7
Single-phase AC-3 110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75					
110V kW 0.75 220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75			500/690V	kW	5.5
220/230V kW 1.8 380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75		Single-phase AC-3			
380/440V kW 3 Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75					
Three-phase AC23A 220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75					
220/230V kW 4 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75		Three-phase AC234	380/440V	ĸvv	3
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75		THEE-PHOSE AUZOA	220/230\/	kW	4
500/690V kW 7.5 Single-phase AC23A 110V kW 0.75					
Single-phase AC23A 110V kW 0.75					
110V kW 0.75		Single-phase AC23A			
220/230V kW 2.2					
			220/230V	kW	2.2



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ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

		380/440V	kW	3.5
Rated operational cur				
	DC21A			
		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	A 11 (
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13	0.01/	•	00
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
<u> </u>		440V	A	0.15
Power dissipation			W	0.6
Mechanical features Terminals screw				M3
	terminale may		Nm	0.8
Tightening torque for Conductor size			INITI	0.0
Conductor size				
	AWG - Rigid cable	min	AWG	20
		min Max	AWG	20 12
	AWG - Flexible cable	IVIAX	AWG	12
	AVVG - Flexible cable	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIAX	AWG	12
	Conductor size (IEC) - Flexible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAA	111111	2.5
	Conductor size (IEC) - Rigid Cable	min	mm²	0.5
		Max	mm²	0.5 2.5
Mechanical life		ividX	cycles	1X10 ⁶
UL technical data			Cycles	
Motor power for direct	t-on-line control			
	for three-phase motor			
	ior intee-phase motor	120V	HP	1.5
		240V	HP	3
		240V 480V	HP	3 5
		480V 600V	HP	5 5
	for single-phase motor	0000		5
	ior single-phase molor	120V	HP	0.75
		120V 240V	HP	
Ambiant conditione		240V	п٢	1.5
Ambient conditions				
Temperature	Operating temperature			
	Operating temperature		°C	25
		min	°C °C	-25

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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max

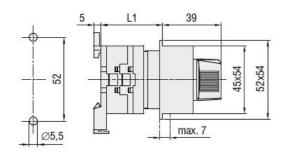
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ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

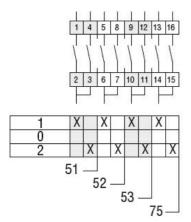
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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP65
Terminals IP degree			IP20
Dimensions			



Corioo		L1	
Series -	1	2	3
GX16	33	41.5	50
GX20	33	41.5	50
UNLO	00	41.0	00

Wiring diagrams



Certifications and compliance

Compliance		
	CSA C22.2 n° 14	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
	IEC/EN/BS 61058-1	
	UL60947-4-1	
Certificates		
	cULus	
	EAC	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete

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