



Product designation         Power contractor           Product type designation         BF195           Operational frequency         Number of poles         N.         3           Rated insulation voltage UIIEC/EN         V         1000           Rated insulation voltage UIIEC/EN         V         8           Operational frequency         min         Hz         25           max         Hz         400         1000           IEC Conventional free air thermal current Ith         A         275           Operational current le         AC-1 (\$40°C)         A         230           AC-3 (\$440V \$55°C)         A         230         AC-4 (400V)         A         95           Rated operational power AC-3 (T≤55°C)         230V         kW         100         440V         kW         10           4400V         kW         100         500V         kW         10         500V         kW         10           500V         kW         100         500V         kW         10         400V         195         400V         415V         1000V         416V         1000V         125         100V         100V         125         100V         120         440V         195         440V<				SE T
Contact characteristicsNumber of polesNr.3Rated insultan voltage UI IEC/ENV1000Rated insultan voltage UI IEC/ENV8Operational frequencyminHz25maxHz400125IEC Conventional frequencyA275Operational current leA275Operational current leAC-1 (\$40°C)A275AC-1 (\$40°C)A230AC-1 (\$70°C)A200AC-1 (\$40°C)A200AC-3 (\$440V \$55°C)A195Act (\$400V)A95954000kW90Rated operational power AC-3 (T≤55°C)230VkW554000kW1104400kW110440VkW110500VkW132690VkW1601000VkW195415VA195415VA195440VA195500VA195415VA195500VA185500VA185Rated operational power AC-1 (T≤40°C)230VkW104400V400VkW199690VKW1321EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series524VA27575VA275110VA120220VA-1EC max current le in DC1 with L/R ≤ 1ms with 2 poles in series524VA275110VA120220VA-<	Product designation			Power contactor
Number of polesNr.3Rated insulation voltage UirpKV8Operational frequencyminHz25maxHz4001000IEC Conventional free air thermal current lthA275Operational current leAC-1 (≤40°C)A275AC-1 (≤55°C)A230AC-1 (≤70°C)AAC-3 (≤400V)A9595Rated operational power AC-3 (T≤55°C)230VKW55400VKW90415VKW110415VKW110500VKW132690VKW100500VKW132690VKW1951000V415V195Acted operational current AC-3 (T≤55°C)230VA195416VA195500VA195416VA195500VA195416VA195500VA184690VKW100VA195416VA195500VA184690VKW104690VA1551000VKW181500VKW104690VKW181500VKW198690VKW181500VKW198690VKW181500VKW104690VKW181500VKW1201EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series224V <td< td=""><td>Product type designation</td><td></td><td></td><td>BF195</td></td<>	Product type designation			BF195
Rated insulation voltage U IEC/EN         V         1000           Rated impulse withstand voltage Uimp         kV         8           Operational frequency         min         Hz         25           max         Hz         400         125           IEC conventional free air thermal current Ith         A         275           Operational current le         AC-1 (stor°C)         A         275           AC-1 (stor°C)         A         230         AC-1 (stor°C)         A         200           AC-3 (st40V \$55°C)         A         230         AC-4 (400V)         A         95           Rated operational power AC-3 (T≤55°C)         230V         kW         55         400V         kW         10           4400V         kW         100         500V         kW         10         500V         kW         10           440V         kW         10         500V         kW         10         500V         kW         10           440V         kW         100         500V         kW         10         100         15           440V         kW         100         500V         A         195         440V         195         440V         195	Contact characteristics			
Rated insulation voltage U IEC/EN         V         1000           Rated inpulse withstand voltage Uimp         kV         8           Operational frequency         min         Hz         25           max         Hz         400         16C           IEC conventional free air thermal current Ith         A         275           Operational current le         AC-1 (≤40°C)         A         275           AC-1 (≤55°C)         A         230         AC-1 (≤40°C)         A         295           AC-1 (≤40°C)         A         275         AC-1 (≤55°C)         A         230           AC-3 (≤440∨ ≤55°C)         A         195         AC-4 (400∨)         A         95           Rated operational power AC-3 (T≤55°C)         230∨         kW         55         400∨         kW         10           440∨         kW         110         440∨         kW         110         50∨         kW         132         690∨         kW         160         1000∨         kW         195         440∨         440∨         195         440∨         195         440∨         195         440∨         195         440∨         195         440∨         195         50∨         184         690∨	Number of poles		Nr.	3
Rated impulse withstand voltage Uimp       kV       8         Operational frequency       min       Hz       25         max       Hz       400       1EC Conventional free air thermal current lth       A       275         Operational current le       AC-1 (≤40°C)       A       275         AC-1 (≤55°C)       A       230       AC-1 (≤55°C)       A       295         Rated operational power AC-3 (T≤55°C)       230V       kW       55       400V       kW       195         AC-4 (400V)       A       95       8       680V       kW       110         440V       kW       110       440V       kW       110         440V       kW       110       500V       kW       180         1000V       kW       90       90       8       155         400V       A       195       400V       195         440V       kW       195       440V       195         440V       A       195       500V       A       185         500V       A       184       690V       690V       165         1000V       A       85       500V       A       185				
Operational frequency         min         Hz         25           max         HZ         400           IEC Conventional free air thermal current lth         A         275           Operational current le         AC-1 (≤40°C)         A         275           AC-1 (≤55°C)         A         230         AC-1 (≤55°C)         A         230           AC-3 (≤440V ≤55°C)         A         195         AC-4 (400V)         A         95           Rated operational power AC-3 (T≤55°C)         230V         kW         55         400V         kW         100           440V         kW         110         500V         kW         160         1000V         kW         90           Rated operational current AC-3 (T≤55°C)         230V         KW         160         1000V         kW         90           Rated operational current AC-3 (T≤55°C)         230V         A         195         440V         A         195           400V         kW         184         680V         A         195         500V         A         184           690V         A         185         500V         A         184         690V         A         185           1000V         A			kV	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				-
max         Hz         400           IEC Conventional free air thermal current lth         A         275           Operational current le         AC-1 (≤40°C)         A         275           AC-1 (≤57°C)         A         200         AC-1 (≤40°C)         A         275           AC-1 (≤57°C)         A         200         AC-3 (≤57°C)         A         195           AC-4 (400V)         A         95         S         400V         kW         90           Rated operational power AC-3 (T≤55°C)         230V         kW         55         400V         kW         90           Rated operational current AC-3 (T≤55°C)         230V         kW         110         500V         kW         132           G90V         kW         110         500V         kW         132         690V         kW         160           1000V         KW         90         Rated operational current AC-3 (T≤55°C)         230V         A         195           4400V         A         195         150V         A         195           4400V         A         195         1000V         A         184           690V         KW         165         1000V         A		min	Hz	25
LEC Conventional free air thermal current lth         A         275           Operational current le         AC-1 (≤40°C)         A         275           AC-1 (≤55°C)         A         230         AC-1 (≤55°C)         A         230           AC-1 (≤55°C)         A         195         AC-1 (≤55°C)         A         95           Rated operational power AC-3 (T≤55°C)         230V         kW         55         400V         kW         90           415V         kW         110         440V         kW         110           500V         kW         132         690V         kW         160           1000V         kW         90         415V         kW         132           690V         kW         160         1000V         kW         90           Rated operational current AC-3 (T≤55°C)         230V         A         195           440V         A         195         440V         A         195           415V         A         195         440V         A         195           500V         A         184         690V         A         165           1000V         A         85         230V         kW         104 </td <td></td> <td></td> <td></td> <td></td>				
Operational current le         AC-1 (≤40°C)         A         275           AC-1 (≤55°C)         A         230           AC-1 (≤70°C)         A         200           AC-3 (≤440V ≤55°C)         A         195           AC-4 (400V)         A         95           Rated operational power AC-3 (T≤55°C)         230V         kW         55           400V         kW         100         440V         kW         110           440V         kW         110         500V         kW         160           500V         kW         100         500V         kW         195           415V         KW         195         440V         415V         4195           400V         KW         195         440V         4195         440V         4195           440V         KW         195         440V         4195         440V         4195           415V         A         195         440V         A         195           415V         A         195         440V         A         195           415V         A         195         500V         A         184           690V         A         165<	IEC Conventional free air thermal current Ith	Пал		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				210
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		۵C-1 ( ۵°C)</td <td>Δ</td> <td>275</td>	Δ	275
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
AC-3 (s440V ≤55°C)       A       195         Rated operational power AC-3 (T≤55°C)       230V       kW       55         400V       kW       90         415V       kW       110         500V       kW       132         690V       kW       160         1000V       kW       90         Rated operational current AC-3 (T≤55°C)       230V       kW       160         1000V       kW       90       415V       kW       110         500V       kW       160       1000V       kW       90         Rated operational current AC-3 (T≤55°C)       230V       A       195         415V       A       195       416V       A       195         416V       A       195       500V       A       165         1000V       A       165       1000V       A       85         Rated operational power AC-1 (T≤40°C)       230V       kW       104         400V       KW       181       500V       kW       199         690V       KW       181       500V       kW       199         690V       KW       181       500V       KW       120 <td></td> <td></td> <td></td> <td></td>				
AC-4 (400V)       A       95         Rated operational power AC-3 (T≤55°C)       230V       kW       55         400V       kW       100       440V       kW       110         440V       kW       110       440V       kW       110         500V       kW       160       1000V       kW       90         Rated operational current AC-3 (T≤55°C)       230V       A       195         440V       A       195       440V       A       195         440V       A       195       500V       A       195         440V       A       195       500V       A       184         690V       A       195       500V       A       185         500V       A       184       690V       A       165         1000V       A       85       85       85       85         Rated operational power AC-1 (T≤40°C)       230V       kW       104       400V       kW       181         500V       kW       181       500V       kW       132       86       86         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series       224V       A       275       4				
Rated operational power AC-3 (T≤55°C)       230V       kW       55         400V       kW       90         415V       kW       110         440V       kW       110         500V       kW       132         690V       kW       160         1000V       kW       90         Rated operational current AC-3 (T≤55°C)       230V       A       195         400V       A       195       440V       A       195         400V       A       195       500V       A       195         440V       A       195       500V       A       195         440V       A       195       500V       A       184         690V       A       165       1000V       A       85         Rated operational power AC-1 (T≤40°C)       230V       kW       104       400V       kW       181         500V       kW       181       500V       kW       192       690V       kW       312         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series       524V       A       275       48V       A       275         10V       A       120       220V<				
$\begin{array}{c} 230V  kW  55 \\ 400V  kW  90 \\ 415V  kW  110 \\ 440V  kW  110 \\ 500V  kW  132 \\ 690V  kW  132 \\ 690V  kW  160 \\ 1000V  kW  90 \end{array}$ Rated operational current AC-3 (T≤55°C) $\begin{array}{c} 230V  A  195 \\ 400V  A  195 \\ 440V  A  195 \\ 440V  A  195 \\ 500V  A  184 \\ 690V  A  165 \\ 1000V  A  85 \end{array}$ Rated operational power AC-1 (T≤40°C) $\begin{array}{c} 230V  kW  104 \\ 400V  kW  104 \\ 400V  kW  110 \\ 500V  kW  110 \\ 690V  kW  112 \\ 500V  kW  112 \\ 100V  A  85 \end{array}$ Rated operational power AC-1 (T≤40°C) $\begin{array}{c} 230V  kW  104 \\ 400V  kW  181 \\ 500V  kW  112 \\ 12V  A  275 \\ 75V  A  275 \\ 110V  A  120 \\ 22V  A  - \end{array}$ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	Deted exerctional networ AC 2 (T <e5°c)< td=""><td>AC-4 (400V)</td><td>A</td><td>95</td></e5°c)<>	AC-4 (400V)	A	95
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Raled operational power AC-3 (TS55 C)	2201/	1.1.1/	<b>FF</b>
$ \begin{array}{c} 415 \vee & k W & 110 \\ 440 \vee & k W & 110 \\ 500 \vee & k W & 132 \\ 690 \vee & k W & 160 \\ 1000 \vee & k W & 90 \\ \hline \\ \mbox{Rated operational current AC-3 (T \le 55 ^{\circ} C) \\ \hline \\ \mbox{Rated operational current AC-3 (T \le 55 ^{\circ} C) \\ \hline \\ \mbox{Rated operational current AC-3 (T \le 55 ^{\circ} C) \\ \hline \\ \mbox{Rated operational current AC-3 (T \le 55 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 55 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ \mbox{Rated operational power AC-1 (T \le 40 ^{\circ} C) \\ \hline \\ Rated operational power AC-1 (T \le 40 ^{$				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$\begin{tabular}{ c c c c c c } \hline & & & & & & & & & & & & & & & & & & $				
1000V       kW       90         Rated operational current AC-3 (T≤55°C)         230V       A       195         400V       A       195         415V       A       195         415V       A       195         440V       A       195         500V       A       184         690V       A       165         1000V       A       85         Rated operational power AC-1 (T≤40°C)         230V       kW       104         400V       kW       181         500V       kW       199         690V       kW       181         500V       kW       199         690V       kW       192         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series         ≤24V       A       275         75V       A       275         110V       A       120         220V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series       -				
230V       A       195         400V       A       195         415V       A       195         440V       A       195         500V       A       184         690V       A       165         1000V       A       85         Rated operational power AC-1 (T≤40°C)         230V       kW       104         400V       kW       181         500V       KW       104         400V       kW       181         500V       kW       199         690V       kW       12         IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series         \$24V       A       275         48V       A       275         75V       A       275         110V       A       120         220V       A       -         IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1000V	KVV	90
$ \begin{array}{ccccc} 400 & A & 195 \\ 415 & A & 195 \\ 440 & A & 195 \\ 500 & A & 184 \\ 690 & A & 165 \\ 1000 & A & 85 \end{array} \\ \hline \\$	Rated operational current AC-3 (1≤55°C)		_	
$ \begin{array}{ccccc} 415 & A & 195 \\ 440 & A & 195 \\ 500 & A & 184 \\ 690 & A & 165 \\ 1000 & A & 85 \end{array} \\ \hline \\$				
$ \begin{array}{c c c c c c c } & 440 & A & 195 \\ & 500 & A & 184 \\ & 690 & A & 165 \\ & 1000 & A & 85 \\ \hline \end{array} \\ \hline \bigg $ \\ \hline  \\ \hline \rule \\ \hline \end{array} \\ \hline \end{array} \\ \hline \bigg  \\ \hline \rule \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \bigg  \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \bigg  \\ \hline \bigg  \\ \hline \rule \\ \hline \end{array} \\ \hline \end{array}  \\ \hline  \\ \hline \Biggr  \\ \hline  \\ \hline \rule \\ \hline \end{array} \\ \hline  \\ \\  \\ \hline  \\ \hline  \\ \\  \\ \hline  \\ \hline  \\ \hline  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\  \\ \\  \\ \\ \\ \\  \\ \\  \\ \\ \\ \\  \\ \\  \\ \\ \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\ \\  \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\  \\ \\ \\ \\  \\ \\ \\ \\  \\ \\ \\  \\ \\  \\ \\ \\ \\  \\ \\ \\  \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\  \\ \\ \\ \\ \\ \\ \\ \\  \\				
$ \begin{array}{c ccccc} 500 & A & 184 \\ 690 & A & 165 \\ 1000 & A & 85 \end{array} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$				
$\begin{tabular}{ c c c c } \hline & & & & & & & & & & & & & & & & & & $				
$\begin{tabular}{ c c c c } \hline 1000V & A & 85 \\ \hline Rated operational power AC-1 (T\leq40^{\circ}C) & & & & & & & & & & & & & & & & & & &$				
Rated operational power AC-1 (T≤40°C)230VkW104400VkW181500VkW199690VkW312IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A27548VA27575VA275110VA120220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		1000V	A	85
$ \begin{array}{c cccc} 400 V & kW & 181 \\ 500 V & kW & 199 \\ 690 V & kW & 312 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series} \\ & \leq 24 V & A & 275 \\ 48 V & A & 275 \\ 75 V & A & 275 \\ 110 V & A & 120 \\ 220 V & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series} \end{array} $	Rated operational power AC-1 (T≤40°C)			
$ \begin{array}{c c} 500 V & kW & 199 \\ 690 V & kW & 312 \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 1 poles in series} \\ & \le 24 V & A & 275 \\ 48 V & A & 275 \\ 75 V & A & 275 \\ 75 V & A & 275 \\ 110 V & A & 120 \\ 220 V & A & - \end{array} \\ \hline \mbox{IEC max current le in DC1 with L/R \le 1ms with 2 poles in series} } \\ \end{array} $				
690VkW312IEC max current le in DC1 with L/R < 1ms with 1 poles in series				
IEC max current le in DC1 with L/R $\leq$ 1ms with 1 poles in series $\leq 24V$ A27548VA27575VA275110VA120220VA-				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		690V	kW	312
48V       A       275         75V       A       275         110V       A       120         220V       A       -	IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
$\begin{array}{cccc} 75 \mbox{V} & \mbox{A} & 275 \\ 110 \mbox{V} & \mbox{A} & 120 \\ 220 \mbox{V} & \mbox{A} & - \end{array}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series		≤24V	А	275
$\begin{tabular}{ccc} 110V & A & 120 \\ 220V & A & - \end{tabular} \end{tabular}$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series			А	
220VA $-$ IEC max current le in DC1 with L/R < 1ms with 2 poles in series			А	
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series		110V	А	120
		220V	Α	_
≤24V A 275	IEC max current le in DC1 with $L/R \le 1ms$ with 2 poles in series			
		≤24V	А	275



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 24...60VAC - 20...60VDC

	48V	А	275
	75V	А	275
	110V	А	170
	220V	А	150
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	275
	110V	А	170
	220V	А	150
	330V	Α	150
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	275
	110V	А	275
	220V	А	275
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	≤24V	А	275
	48V	А	275
	75V	А	180
	110V	А	90
	220V	А	-
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 2 poles in series			
	≤24V	A	275
	48V	Α	275
	75V	Α	180
	110V	A	140
	220V	A	100
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series	(0.1) (		075
	≤24V	A	275
	48V	A	275
	75V	A	180
	110V	A	160
	220V	A	140
IFC may summat to in DC2 DC5 with 1/D < 45 ms with 4 mstas in series	330V	A	100
IEC max current le in DC3-DC5 with $L/R \le 15$ ms with 4 poles in series	<241	۸	076
	≤24V 48V	A A	275 275
	48V 75V		180
	75V 110V	A A	160
	220V	A	160
	330V	A	160
	460V	A	100
Short-time allowable current for 10s (IEC/EN60947-1)	-00 v	A	1560
Protection fuse		7	1000
	gG (IEC)	А	315
	aM (IEC)	A	250
Making capacity (RMS value)		A	1658
Breaking capacity at voltage			1000
	440V	А	1658
	500V	A	1326
	690V	A	1377
Resistance per pole (average value)	0001	mΩ	0.18
		11124	0.10



AC-3 W 6.1 Tightening torque for terminals min Nm 18 max Nm 18 max Nm 18 max Nm 18 max Nm 11 min Nm 0.6 max Nm 11 Power terminal protection according to IEC/EN 60529 Machanical features Operating position Operating position Tring Correct String Weight g 30 Operations Mechanical life cycles 10 Electrical life cycles 10 EAR of 50/60Hz coil powered at 50Hz pick-up min V 24 Max V 60 AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min %US 80 max %US 11 drop-out max %US 57 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up min %US 80 max %US 57 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up min %US 80 max %US 57 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz					
Ith     W     13       AC-3     W     6.1       Tightening torque for terminals     min     Nm     18       min     Ibin     15       Tightening torque for coil terminal     min     Nm     18       Tightening torque for coil terminal     min     Nm     10       Power terminal protection according to IEC/EN 60529     max     Nm     1       Power terminal protection according to IEC/EN 60529     max     Nm     1       Power terminal protection according to IEC/EN 60529     min     Nm     1       Power terminal protection according to IEC/EN 60529     min     Ve     3       Operating position     normal     Ve     4       Rechanical features     g     30       Operations     g     30       Weight     g     30       Operations     g     30       Performance level B10d according to EN/ISO 13489-1     rated load       Performance level B10d according to EN/ISO 13489-1     rated AC voltage at 50/60Hz, 60Hz       ENC compatibility     ye     ye       AC ool operating     max     V       AC ool operating     of 50/60Hz coil powered at 50Hz     min       pick-up     min     %Us     s7       of 50/60Hz coil powered at 5	Power dissipation per p	age value)			
Tightening torque for terminals           min         Nm         18           max         Nm         18           min         Ibin         15           Tightening torque for coil terminal         min         Nm         18           Power terminal protection according to IEC/EN 60529         IPI         Machanical features         IPI           Operating position         normal         Ve         allowable         43           Fixing         g         30         Operatings         Sc           Weight         g         30         Operatings         Sc           Weight         g         30         Operatings         Sc           Weight         g         30         Operatings         Sc           Machanical life         cycles         10         Excirct 10         Excirct 10           Excirctal life         cycles         10         Sc         10           EMC compatibility         yet         rated load         cycles         10           AC coll operating         rated AC voltage at 50/60Hz, 60Hz         max         %Us         57           AC operating voltage         of 50/60Hz coil powered at 50Hz         max         %Us         57           AC average coi			lth	W	13
min Nm 18 max Nm 18 max lbin 15 max lbin 1			AC-3	W	6.7
min Nm 18 max Nm 18 max lbin 15 Trightening torque for coil terminal min lbin 15 max Nm 1 Power terminal protection according to IEC/EN 60529 Wechanical features Operating position Performance leave according to IEC/EN 60529 Weight g 30 Operations Wechanical life cycles 10 Electrical life cycles 10 EAC compatibility ye AC coli operating Rated AC voltage at 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up min %Us 80 max %Us 11 drop-out max %Us 57 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up min %Us 60 max %Us 57 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up Min %Us 67 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up Min %Us 67 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up Min %Us 67 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up Min %Us 67 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up Min %Us 60 max %Us 57 AC average coil consumption at 20°C of 50/60Hz coil powered at 60Hz jof 60Hz coil powered at 60Hz	Tightening torgue for ter				
max       Nm       18         min       Nin       10in       15         Tightening torque for coil terminal       min       Nm       0.0         max       Nm       1       1         Power terminal protection according to IEC/EN 60529       IPH         Mechanical features       normal       Ve         Operating position       normal       Ve         allowable       ±33       30         Operations       g       30         Mechanical life       cycles       10         Electrical life       cycles       10         Electrical life       cycles       10         EMC compatibility       ye       AC         AC coll operating       rated load       cycles       10         EMC contracting voltage       of 50/60Hz coil powered at 50Hz       min       V       24         AC operating voltage       of 50/60Hz coil powered at 60Hz       min       %Us       80         min       %Us       80       max       %Us       80         max       %Us       80       max       %Us       80         max       %Us       80       max       %Us       80       77	5 5 1		min	Nm	18
min       Ibin       15         Tightening torque for coil terminal       min       Nm       0.6         max       Nm       1         Power terminal protection according to IEC/EN 60529       IP         Mechanical features       morrmal       Ve         Operating position       normal       Ve         Mechanical fife       cycles       10         Operating       g       30       30         String       Sc       Sc       30         Operating       g       30       30         String       Sc       Sc       30         Operatins       g       30       30         Stefy related data       cycles       10         Electrical life       cycles       10         ECC compatibility       ye       ye         AC coll operating       max       V         Rated AC voltage at 50/60Hz, 60Hz       min       V       24         drop-out       max       %Us       80         max       %Us       80       max       %Us       81         drop-out       max       %Us       80       max       %Us       81         drop-out <td></td> <td></td> <td></td> <td></td> <td></td>					
max         Ibin         15           Tightening torque for coil terminal         min         Nm         0.8           Power terminal protection according to IEC/EN 60529         IP           Mechanical features         in         Nm         1           Operating position         normal         Ve         in         Ve           String         sc         sc         Sc         Sc           Weight         g         30         Operating         sc         Sc           Weight         g         30         Operations         sc         Sc           Weight         g         30         Operations         sc         Sc           Weight         g         sc			_		159
Tightening torque for coil terminal min Nm 0.6. max Nm 1 Power terminal protection according to IEC/EN 60529 IP Mechanical features Operating position normal ve allowable t3 S Weight g 30 Operations Mechanical life cycles 10 Electrical life cycles 10 Electrical life cycles 10 Electrical life cycles 10 EMC compatibility ye Ve Coil operating Rated AC voltage at 50/60Hz, 60Hz of 50/60Hz coil powered at 50Hz pick-up min %Us 80 max %Us 11 drop-out max %Us 11 drop-out max %Us 57 AC average coll consumption at 20°C of 50/60Hz coil powered at 50Hz pick-up Min %Us 80 max %Us 17 AC average coll consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz					159
min       Nm       0.6         Power terminal protection according to IEC/EN 60529       IP         Mechanical features       normal       Ve         Operating position       normal       Ve         Allowable       ±3       5         Fixing       Sc       Sc         Weight       g       30         Operations       g       30         Mechanical life       cycles       10         Electrical life       cycles       10         Safety related data       Performance level B10d according to EN/ISO 13489-1       Performance level B10d according to EN/ISO 13489-1         Performance level B10d according to EN/ISO 13489-1       rated load       cycles       10         EMC compatibility       ye       ye       40       24         Max       V       60       60       60       60         AC operating voltage       of 50/60Hz coil powered at 50Hz       min       %Us       57         of 50/60Hz coil powered at 60Hz       min       %Us       57         of 50/60Hz coil powered at 50Hz       min       %Us       57         of 50/60Hz coil powered at 50Hz       min       %Us       57         AC average coil consumption at 20°C	Tightening torque for co		max	10111	100
max         Nm         1           Power terminal protection according to IEC/EN 60529         IP           Derating position         normal         Ve           allowable         ±3           Fixing         Sc         Sc           Weight         g         30           Operating position         g         30           Presentions         g         30           Weight         cycles         10           Bechanical life         cycles         10           Safety related data         cycles         10           Performance level B10d according to EN/ISO 13489-1         rated load         cycles         10           EMC compatibility         ye         ye         Ye         40           AC coll operating         weither the st         ye         Ye         40           AC coll operating voltage         of 50/60Hz, 60Hz         min         V         24           Max         V         60         40         max         %Us         57           AC operating voltage         of 50/60Hz coil powered at 50Hz         min         %Us         57           AC operating voltage         of 50/60Hz coil powered at 50Hz         max         %Us		1	min	Nim	0.0
Power terminal protection according to IEC/EN 60529 IPV Mechanical features Derating position  Triving Derating position  Triving Derations  Trivi					
Mechanical features Operating position normal norma normal normal normal normal normal normal norma			max	INIT	
Operating position       normal velocities         normal allowable       ±3         Fixing       Sc         Weight       g       30         Operations       g       30         Operations       g       30         Detailons       cycles       10         Electrical life       cycles       11         Max       VUs       \$7         AC operating voltage       min       %Us       \$11         drop-out       max       %Us       \$7         AC average coil consumption at 20°C       of 50/60Hz coil powered at 50Hz       in-rush		ing to IEC/EN 60529			IP00
normal allowable     Ve 43       Fixing     Sc       Weight     g       Operations     g       Wechanical life     cycles       Cool operations     cycles       Performance level B10d according to EN/ISO 13489-1     rated load       Cool operating     ye       Rated AC voltage at 50/60Hz, 60Hz     min     V       QC operating voltage     of 50/60Hz coil powered at 50Hz pick-up     min     %Us       for 50/60Hz coil powered at 50Hz pick-up     min     %Us     \$11       drop-out     max     %Us     \$12       of 50/60Hz coil powered at 50Hz     in-rush     \$4       of 50/60Hz coil powered at 50Hz     in-rush     \$4       of 50/60Hz coil powered at 50Hz     in-rush     \$4       of 50/60Hz coil powered at 60Hz     in-rush     \$4 <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>					
allowable         ±3           Fixing         Sc           Weight         g         30           Operations         u           Wechanical life         cycles         10           Electrical life         cycles         10           Safety related data	Operating position				
Fixing       Sc         Weight       g       30         Operations       g       30         Mechanical life       cycles       10         Electrical life       cycles       10         Compatibility       ye       ye         AC coll operating       min       V         AC operating voltage       of 50/60Hz coll powered at 50Hz       min       %US         AC operating voltage       of 50/60Hz coll powered at 60Hz       max       %US       \$11         drop-out       max       %US       \$12         AC average coil con					Vertical plan
Weight       g       30         Operations       g       30         Mechanical life       cycles       10         Electrical life       cycles       10         Safety related data       rated load       cycles       10         Performance level B10d according to EN/ISO 13489-1       rated load       cycles       10         EMC compatibility       rated load       cycles       10         AC coil operating       min       V       24         AC coil operating       min       V       24         AC operating voltage       of 50/60Hz coil powered at 50Hz       min       %Us       80         Max       %Us       11       drop-out       max       %Us       11         drop-out       max       %Us <td></td> <td></td> <td>allowable</td> <td></td> <td>±30°</td>			allowable		±30°
Operations       vscles       10         Mechanical life       cycles       10         Electrical life       cycles       10         Sefety related data       rated load       cycles       10         Performance level B10d according to EN/ISO 13489-1       rated load       cycles       10         EMC compatibility       ye       ye       AC coil operating       ye         Rated AC voltage at 50/60Hz, 60Hz       min       V       24         Max       V       60         AC operating voltage       of 50/60Hz coil powered at 50Hz       min       %Us       80         max       %Us       11       drop-out       max       %Us       \$1         drop-out       max       %Us       \$1       drop-out       max	-				Screw
Mechanical life cycles 10 Electrical life cycles 10 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 10 EMC compatibility yet yet and the fold of the fold				g	3000
Electrical life cycles 10 Safety related data Performance level B10d according to EN/ISO 13489-1 Tated load cycles 10 EMC compatibility AC coil operating Rated AC voltage at 50/60Hz, 60Hz anax V 60 AC operating voltage of 50/60Hz coil powered at 50Hz pick-up To f 50/60Hz coil powered at 60Hz pick-up To f 50/60Hz coil powered at 50Hz pick-up Tated bata to the text of text	Operations				
Safety related data       rated load       cycles       10         Performance level B10d according to EN/ISO 13489-1       rated load       cycles       10         EMC compatibility       ye         AC coil operating       rated AC voltage at 50/60Hz, 60Hz       rain       V       24         Max       V       60         AC operating voltage       of 50/60Hz coil powered at 50Hz       min       %Us       80         AC operating voltage       of 50/60Hz coil powered at 50Hz       min       %Us       \$11         drop-out       max       %Us       \$11         drop-out       max       %Us       \$27         AC average coil consumption at 20°C       of 50/60Hz coil powered at 50Hz       in-rush       VA       16         of 50/60Hz coil powered at 60Hz       in-rush       VA       16       holding       VA       1.5         of 50/60Hz coil powered at 60Hz       in-rush       VA       16       holding       VA       1.5         of 50/60Hz coil powered at 60Hz       in-rush       VA       16       holding       VA       1.5         of 60Hz coil powered at 60Hz       in-rush       VA       16       holding       VA       1.5	Mechanical life			cycles	1000000
Performance level B10d according to EN/ISO 13489-1         rated load         cycles         10           EMC compatibility         ye         Ye         Ye         Ye           AC coil operating         min         V         24           Rated AC voltage at 50/60Hz, 60Hz         min         V         24           Max         V         60         60           AC operating voltage         of 50/60Hz coil powered at 50Hz         min         %Us         80           max         %Us         11         drop-out         max         %Us         11           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         \$Us         \$1 </td <td>Electrical life</td> <td></td> <td></td> <td>cycles</td> <td>1000000</td>	Electrical life			cycles	1000000
Performance level B10d according to EN/ISO 13489-1         rated load         cycles         10           EMC compatibility         ye         Ye         Ye         Ye           AC coil operating         min         V         24           Rated AC voltage at 50/60Hz, 60Hz         min         V         24           Max         V         60         60           AC operating voltage         of 50/60Hz coil powered at 50Hz         min         %Us         80           max         %Us         11         drop-out         max         %Us         11           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         %Us         \$1           drop-out         max         %Us         \$1         11         drop-out         max         \$Us         \$1 </td <td>Safety related data</td> <td></td> <td></td> <td></td> <td></td>	Safety related data				
rated load       cycles       10         EMC compatibility       ye         AC coll operating       min       V       24         Rated AC voltage at 50/60Hz, 60Hz       min       V       24         AC operating voltage       of 50/60Hz coil powered at 50Hz       min       %Us       80         AC operating voltage       of 50/60Hz coil powered at 50Hz       min       %Us       81         drop-out       max       %Us       \$11         drop-out       max       %Us       \$12         of 50/60Hz coil		ng to EN/ISO 13489-1			
EMC compatibility ye AC coil operating Rated AC voltage at 50/60Hz, 60Hz and AC operating voltage of 50/60Hz coil powered at 50Hz pick-up min %Us 80 max %Us 11 drop-out max %Us ≤7 of 50/60Hz coil powered at 60Hz pick-up min %Us 80 max %Us ≤7 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz		-	rated load	cycles	1000000
AC coil operating         min         V         24 max           Rated AC voltage at 50/60Hz, 60Hz         min         V         24 max         V         60           AC operating voltage         of 50/60Hz coil powered at 50Hz pick-up         min         %Us         80 max         %Us         11           drop-out         max         %Us         11           drop-out         max         %Us         57           of 50/60Hz coil powered at 60Hz pick-up         min         %Us         80 max           Max         %Us         11         4         4         4         4         4         4         4         4         4         4         4         5	EMC compatibility				yes
min         V         24 max           AC operating voltage         of 50/60Hz coil powered at 50Hz pick-up         min         %Us         80 max           4C operating voltage         min         %Us         80 max         %Us         11           drop-out         max         %Us         57           of 50/60Hz coil powered at 60Hz pick-up         min         %Us         57           of 50/60Hz coil powered at 60Hz pick-up         min         %Us         57           AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz         min-rush         VA         16           holding         VA         1.5         of 50/60Hz coil powered at 60Hz         in-rush         VA         16           holding         VA         1.6         holding         VA         1.5					,
min         V         24 max           AC operating voltage         of 50/60Hz coil powered at 50Hz pick-up         min         %Us         80 max           Min         %Us         11           drop-out         max         %Us         57           of 50/60Hz coil powered at 60Hz pick-up         min         %Us         57           of 50/60Hz coil powered at 60Hz pick-up         min         %Us         80 max         %Us         11           drop-out         max         %Us         11         11         11         11           drop-out         max         %Us         11		Hz			
max         V         60           AC operating voltage         of 50/60Hz coil powered at 50Hz pick-up         min         %Us         80 max           min         %Us         11         drop-out         max         %Us         57           of 50/60Hz coil powered at 60Hz pick-up         min         %Us         57           of 50/60Hz coil powered at 60Hz pick-up         min         %Us         80           max         %Us         11         drop-out         max         %Us         57           AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz         max         %Us         ≤7           AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz         in-rush         VA         16           holding         VA         1.5         of 50/60Hz coil powered at 60Hz         in-rush         VA         16           holding         VA         1.6         in-rush         VA         16         in-rush         VA         16           of 50/60Hz coil powered at 60Hz         in-rush         VA         16         in-rush         VA         16           indiding         VA         1.6         in-rush         VA         16           indiding         VA         1.6 </td <td>lated i to vehage at ee,</td> <td></td> <td>min</td> <td>V</td> <td>24</td>	lated i to vehage at ee,		min	V	24
AC operating voltage of 50/60Hz coil powered at 50Hz pick-up					
of 50/60Hz coil powered at 50Hz pick-up min %US 80 max %US 11 drop-out max %US 47 of 50/60Hz coil powered at 60Hz pick-up min %US 80 max %US 11 drop-out max %US 47 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz			max	v	00
pick-up min %Us 80 max %Us 11 drop-out max %Us ≤7 of 50/60Hz coil powered at 60Hz pick-up min %Us 80 max %Us 11 drop-out Max %Us ≤7 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz <u>in-rush VA 16</u> holding VA 1.5 of 50/60Hz coil powered at 60Hz <u>in-rush VA 16</u> holding VA 1.5 of 60Hz coil powered at 60Hz	to operating voltage	Hz coil powered at 50Hz			
min       %Us       80         max       %Us       11         drop-out       max       %Us       ≤7         of 50/60Hz coil powered at 60Hz       pick-up       min       %Us       80         max       %Us       11       80       max       %Us       81         drop-out       max       %Us       11       80       max       %Us       11         drop-out       max       %Us       57       50		-			
drop-out       max       %Us       11         drop-out       max       %Us       ≤7         of 50/60Hz coil powered at 60Hz       pick-up       min       %Us       80         max       %Us       11       drop-out       max       %Us       11         drop-out       max       %Us       11       11       drop-out       max       %Us       57         AC average coil consumption at 20°C       of 50/60Hz coil powered at 50Hz       in-rush       VA       16         holding       VA       1.5       of 50/60Hz coil powered at 60Hz       in-rush       VA       16         of 50/60Hz coil powered at 60Hz       in-rush       VA       16       holding       VA       1.5         of 60Hz coil powered at 60Hz       in-rush       VA       1.6       holding       VA       1.5		ριεκ-αρ	min	0/110	80 Us min
drop-out max %Us ≤7 of 50/60Hz coil powered at 60Hz pick-up min %Us 80 max %Us 11 drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz					110 Us max
max       %Us       ≤7         of 50/60Hz coil powered at 60Hz       pick-up       min       %Us       80         max       %Us       11       drop-out       max       %Us       57         AC average coil consumption at 20°C       of 50/60Hz coil powered at 50Hz       max       %Us       ≤7         AC average coil consumption at 20°C       of 50/60Hz coil powered at 50Hz       in-rush       VA       16         holding       VA       1.5       of 50/60Hz coil powered at 60Hz       in-rush       VA       16         of 50/60Hz coil powered at 60Hz       in-rush       VA       16       holding       VA       1.5         of 60Hz coil powered at 60Hz       in-rush       VA       16       holding       VA       1.5		drop out	max	%US	110 US max
of 50/60Hz coil powered at 60Hz pick-up Min %Us 80 max %Us 11 drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz		drop-out		0/11-	
pick-up min %Us 80 max %Us 11 drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz			max	%US	≤70 Us min
min %Us 80 max %Us 11 drop-out AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz 					
max %Us 11 drop-out Max %Us ≤7 AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz		pick-up	<u>.</u>	o	0011
drop-out <u>max %Us ≤7</u> AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz <u>in-rush VA 16</u> holding VA 1.5 of 50/60Hz coil powered at 60Hz <u>in-rush VA 16</u> holding VA 1.5 of 60Hz coil powered at 60Hz					80 Us min
max       %Us       ≤7         AC average coil consumption at 20°C       of 50/60Hz coil powered at 50Hz       in-rush       VA       16         holding       VA       1.5         of 50/60Hz coil powered at 60Hz       in-rush       VA       16         holding       VA       1.5         of 50/60Hz coil powered at 60Hz       in-rush       VA       16         holding       VA       1.5         of 60Hz coil powered at 60Hz       in-rush       VA       1.5			max	%Us	110 Us max
AC average coil consumption at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz		drop-out			
of 50/60Hz coil powered at 50Hz in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz			max	%Us	≤70 Us min
in-rush VA 16 holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz	AC average coil consun				
holding VA 1.5 of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz		Iz coil powered at 50Hz			
of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz			in-rush	VA	160230
of 50/60Hz coil powered at 60Hz in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz			holding	VA	1.53.0
in-rush VA 16 holding VA 1.5 of 60Hz coil powered at 60Hz		Hz coil powered at 60Hz			
holding VA 1.5 of 60Hz coil powered at 60Hz			in-rush	VA	160230
of 60Hz coil powered at 60Hz					1.53.0
		coil powered at 60Hz			
11-10-50 VA 10			in_ruch	\/Δ	160230
					1.53.0
·	Dissipation at k-L-line at		noiding		1.53.0

BF19500E024



24...60VAC - 20...60VDC

DC coil operating					
DC rated control voltage	je				
	<u>,</u>		min	V	20
			max	V	60
DC operating voltage					
	pick-up				
			min	%Us	85 Us min
			max	%Us	110 Us max
	drop-out				
<u></u>	tian <00%0		max	%Us	≤70 Us min
Average coil consump	tion $\leq 20^{\circ}$ C		in ruch	۱۸/	160 220
			in-rush holding	W W	160230 1.53.0
Max cycles frequency			Tolding	VV	1.55.0
Mechanical operation				cycles/h	1000
Operating times				0)0100,11	
Average time for Us co	ontrol				
-	in AC				
		Closing NO			
			min	ms	50
			max	ms	100
		Opening NO			
			min	ms	35
UL technical data			max	ms	75
Vielded mechanical pe	orformance				
neided mechanical pe	for three-phase AC mo	otor			
	ior unce-phase AC III		200/208V	HP	60
			220/230V	HP	75
			460/480V	HP	150
			575/600V	HP	150
General USE					
	Contactor				
			AC current	A	275
Short-circuit protection					
	High fault		01.0.1		100
			Short circuit current	kA	100
			Fuse rating Fuse class	A	400 J
	Standard fault		ruse class		J
	Januaru laul		Short circuit current	kA	10
			Fuse rating	A	400
			Fuse class		RK5
Ambient conditions					
Temperature					
	Operating temperature	<b>)</b>			
			min	°C	-40
			max	°C	70
	Storage temperature			•••	50
			min	°C °C	-50
Max altitude			max	°C	80 3000
Resistance & Protection	מר <u> </u>			m	3000
Pollution degree					3
					•

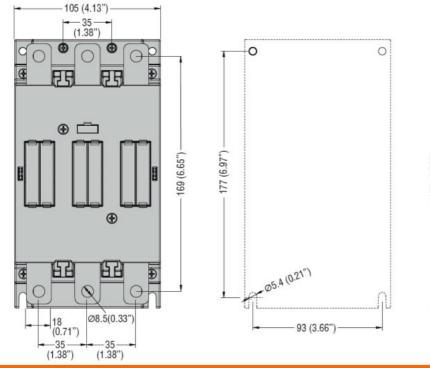
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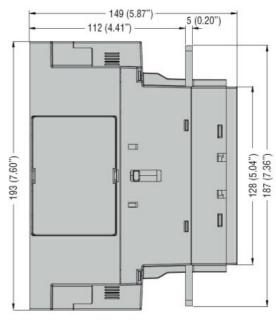
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



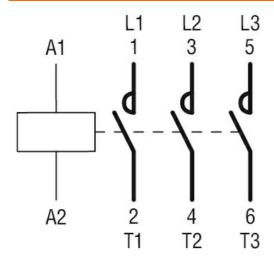
BF19500E024 THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 195A, AC/DC COIL, 24...60VAC - 20...60VDC

Dimensions





Wiring diagrams



## Certifications and compliance

CSA C22.2 n° 60947-1 CSA C22.2 n° 60947-4-1 IEC/EN/BS 60947-1 IEC/EN/BS 60947-4-1 UL 60947-1 UL 60947-4-1 Certificates CULus	
IEC/EN/BS 60947-1           IEC/EN/BS 60947-4-1           UL 60947-1           UL 60947-4-1           Certificates	
IEC/EN/BS 60947-4-1           UL 60947-1           UL 60947-4-1           Certificates	
UL 60947-1 UL 60947-4-1 Certificates	
UL 60947-4-1 Certificates	
Certificates	
cULus	
ETIM classification	
ETIM 8.0	EC000066 - Power contactor, AC switching

## VVi